

### **III. IMPLEMENTATION PROGRAM**

The CIAP legislation requires that the state plan contain “a program for the implementation of the plan which describes how the amounts provided under the legislation will be used” (§31(d)(2)(B)).

This plan provides general information regarding the projects that the state intends to implement with the CIAP funds. Specific project details will be developed following submission of the plan to NOAA. The plan contains three categories of funding: state CIAP funds only, state CIAP funds and coastal political subdivision funds, and coastal political subdivision funds only. The following description of projects are listed in this order. Projects 1 - 19 were funded with State CIAP funds. Projects 20 - 27 were funded with a combination of Coastal Political Subdivision funds and State CIAP funds. Projects 28 - 54 were selected by the coastal parishes and are funded with their Coastal Political Subdivision funds.

## **STATE CIAP PROJECTS**

### **III.1. State CIAP Projects**

#### **1) Bayou Chinchuba Watershed Study**

Submitted By: St. Tammany Parish  
Contact Name: William Oiler  
Phone Number: 985-898-2445

Total Funds Requested: \$500,000  
Parish CIAP Funds: \$0  
State CIAP Funds: \$250,000  
Infrastructure: \$0

Selection Criteria and Justification: 1 - C) protection, restoration and enhancement of coastal water quality consistent with the provisions of the Coastal Zone Management Act (16 U.S.C. 1451 et seq.), including the reduction or monitoring of coastal polluted runoff or other coastal contaminants;

I) assistance to local communities to assess, plan for and manage the impacts of growth and development on coastal or marine habitats and natural resources, including coastal community fishery assistance programs that encourage participation in sustainable fisheries

Project Description: The proposed project will address the need to develop a watershed plan for Bayou Chinchuba basin by delineating and mapping the basin; assessment of current laws, rules and regulations protecting the basin; develop a program to reduce important non-point source pollution categories; assessment of the protection of the basin's riparian buffer zones and critical and sensitive areas; completion of a comprehensive drainage plan to address drainage and flooding in the basin as well as non-point source pollution issues.

Is the project cost shared? No

Total Project Cost: \$500,000

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#### **2) Bayou Liberty Watershed Study**

Submitted By: St. Tammany Parish  
Contact Name: William Oiler  
Phone Number: 985-898-2445

Total Funds Requested: \$500,000  
Parish CIAP Funds: \$0  
State CIAP Funds: \$250,000  
Infrastructure: \$0

Selection Criteria and Justification: 1 - C) protection, restoration and enhancement of coastal water quality consistent with the provisions of the Coastal Zone Management Act (16 U.S.C. 1451 et seq.), including the reduction or monitoring of coastal polluted runoff or other coastal contaminants;

I) assistance to local communities to assess, plan for and manage the impacts of growth and development on coastal or marine habitats and natural resources, including coastal community fishery assistance programs that encourage participation in sustainable fisheries

Project Description: The proposed project will address the need to develop a watershed plan for Bayou Liberty basin by delineating and mapping the basin; assessment of current laws, rules and regulations protecting the basin; develop a program to reduce important non-point source pollution categories; assessment of the protection of the basin's riparian buffer zones and critical and sensitive areas; completion of a comprehensive drainage plan to address drainage and flooding in the basin as well as non-point source pollution issues.

Is the project cost shared? Yes

Total Project Cost: \$600,000

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### 3) Louisiana Wetlands Outdoor Learning Center

Submitted By: City of Lake Charles

Contact Name: Randy Roach

Phone Number: 337-491-1201

Total Funds Requested: \$450,000

Parish CIAP Funds: \$0

State CIAP Funds: \$450,000

Infrastructure: \$0

Selection Criteria and Justification: 1(J) projects that promote research, education, training and advisory services in fields related to coastal living marine resource use and management

Project Description: The facility will not be used as a park; but rather as an interpretive center to tell the story about the need for and the ongoing efforts to restore coastal Louisiana. Wetlands habitat include a cypress swamp, brown-water marsh, tidal basin, and uplands wetland wildlife, as well as the site of a former city dump. Of the total acreage, approximately 15 acres will be developed with trail, picnic and rest areas, as well as Visitors, Conference and Ranger Centers.

Benefits: It will allow the many state and federal agencies to showcase their various efforts - such as restoring a cypress swamp. Located within the city limits, this Wetlands Park will also provide an excellent educational resource for workshops and field trips for elementary, high school and college students alike. Because of its close proximity to I- 10 with 40,000 passing vehicles each day, it will also serve to promote area tourism - including the Creole Nature Trail in Cameron Parish.

Although there has not yet been a formal public hearing on this project, it was the subject of public input to both the "Shape the Lake Study" and "Downtown Strategic Development Plan".

Is the project cost shared? No

Total Project Cost: \$450,000

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#### 4) Holly Beach Sand Management Plan

Submitted By: DNR, Coastal Restoration  
Contact Name: David Burkholder  
Phone Number: 225-342-7267

Total Funds Requested: \$4,728,125  
Parish CIAP Funds: \$0  
State CIAP Funds: \$4,728,125  
Infrastructure: \$0

Selection Criteria and Justification: 1 (B) – conservation, restoration, enhancement or protection of coastal or marine habitats including wetlands, estuaries, coastal barrier islands, coastal fishery resources and coral reefs, including projects to remove abandoned vessels or marine debris that may adversely affect coastal habitats;  
1 (G) – protection and restoration of natural coastline protective features, including control of coastline erosion; and  
2 – projects and activities for the conservation, protection or restoration of wetlands

Project Description – The Holly Beach segmented breakwater field is located in Cameron Parish between Calcasieu and Sabine Passes, and protects State Highway 82 and the coastal communities of Peveto Beach, Constance Beach, and Ocean View Beach. The breakwater field is 7.2 miles long and is composed of 85 rubble mound breakwaters with its east end approximately 8.5 miles west of Calcasieu Pass. While the breakwater field has been somewhat effective in reducing wave energy and stabilizing the shoreline, the system is suffering from an overall lack of sediment which has resulted in continued erosion problems along this stretch of the coastline.

The proposed project consists of beach nourishment within the breakwater field. A 50 foot wide design berm at an elevation of +5 feet NGVD is recommended along with

advanced fill. The design berm fill will be placed behind breakwaters 70 through 12 (numbering is west to east) with the ends tapered over an additional two breakwaters (the limits of the beach nourishment are breakwaters 72 and 10). The advanced fill will widen the berm an additional 25 feet behind breakwaters 70 to 34 and breakwaters 22 to 12 with a 50 foot extension behind breakwaters 33 to 23. The total estimated in place beach fill volume required for this project is 1,750,000 cubic yards. This beach nourishment project will also require the removal of six existing experimental breakwaters located landward of breakwaters 35 through 40 at Peveto Beach.

The total estimated cost of the proposed project is \$18,912,500. Funding for this activity will be coordinated with both federal and state resources/programs. In addition to the \$4,728,125 which is being requested by this application for the Coastal Impact Assistance Program, it is anticipated that additional funding will be provided from the following sources: \$4,728,125 by the State of Louisiana through its statutorily dedicated Wetlands Conservation and Restoration Trust Fund; and \$9,456,250 from the Coastal Wetlands Planning, Protection and Restoration Act (PL-101-646).

Is the project cost shared? Yes

Total Project Cost: \$18,912,500

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#### 5) Coastwide Brown Pelican Monitoring

Submitted By: DWF- Fur & Refuge Div.  
Contact Name: Greg Linscombe  
Phone Number: 337-373-0032

Total Funds Requested: \$56,000  
Parish CIAP Funds: \$0  
State CIAP Funds: \$56,000  
Infrastructure: \$0

Selection Criteria and Justification: 1(E) assessment, research, mapping and monitoring of coastal or marine resources and habitats, including, where appropriate, the establishment and monitoring of marine protected areas

Project Description: The purpose of this project is to monitor brown pelican nesting population status, distribution, and nesting success. This data is used routinely to consider coastal use permits related to development and oil and gas activity. This species is still listed as threatened on the U.S. Endangered Species List and since it generally nests on barrier islands it's habitats are subject to constant change.

The annual survey will be conducted periodically from February to June during the brown pelican nesting season. This aerial survey will be conducted with a navigator and an observer using a 206 B Jet Ranger helicopter. Approximately 40 hours are needed

each year to conduct a coast wide survey. Data is collected using GPS for locations and field data sheets are compiled and presented as final reports available to the public and all governmental agencies.

Louisiana Department of Wildlife and Fisheries will be responsible for project design, contracting helicopter rental, data collection, and report writing. This project will be subject to public review under the Coastal Impact Assistance Program. The department will bear responsibility for any cost overruns associated with project completion. The survey will cost \$28,000 per year based on current charges for helicopter rental. The proposal is for two years of surveys and will cost \$56,000.

Is the project cost shared? No

Total Project Cost: \$56,000

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#### 6) Louisiana Coastal Ecosystem - A Workshop For Teachers

Submitted By: DWF- Fur & Refuge Div.  
Contact Name: Greg Linscombe  
Phone Number: 337-373-0032

Total Funds Requested: \$74,000  
Parish CIAP Funds: \$0  
State CIAP Funds: \$74,000  
Infrastructure: \$0

Selection Criteria and Justification: 1(J) projects that promote research, education, training and advisory services in fields related to coastal living marine resource use and management

Project Description: The purpose of this project is to introduce over 30,000 Louisiana students to the values, issues, and history of the Louisiana coastal ecosystem. This project will be accomplished by training selected teachers from each parish during six (6) three (3) day workshops at the Marine Lab at Grand Terre.

Two teachers from each parish (1 science teacher and 1 social studies teacher) will be trained by education specialists from the department's Education Section. The teachers trained during these workshops will return to their parishes and collectively train and equip over 1000 teachers around the state with the knowledge and resources to conduct a lesson on Louisiana coastal values, issues, and history in their classroom.

The cost for this project will be \$74,000. Cost will include substitute pay for participating teachers, travel, food, workshop supplies, resource material, and parish workshop stipend. Louisiana Department of Wildlife and Fisheries will be responsible for project planning, coordination with parishes, training, and materials. This project will be subject to public

review under the Coastal Impact Assistance Program. The department will bear responsibility for any cost overruns associated with project completion.

Is the project cost shared? No

Total Project Cost: \$74,000

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#### 7) Coastwide Eagle Monitoring

Submitted By: DWF- Fur & Refuge Div.

Contact Name: Greg Linscombe

Phone Number: 337-373-0032

Total Funds Requested: \$77,000

Parish CIAP Funds: \$0

State CIAP Funds: \$77,000

Infrastructure: \$0

Selection Criteria and Justification: 1(E) assessment, research, mapping and monitoring of coastal or marine resources and habitats, including, where appropriate, the establishment and monitoring of marine protected areas

Project Description: The purpose of this project is to monitor eagle nesting population status, distribution, and nesting success. This data is used routinely to consider coastal use permits related to development and oil and gas activity, This species is still listed as threatened on the U.S. Endangered Species List.

The annual survey will be conducted periodically from January to May during the eagle nesting season. This aerial survey will be conducted with a navigator and an observer using a 206 B Jet Ranger helicopter. Approximately 55 hours are needed each year to conduct a coast wide survey. Data is collected using GPS for locations and field data sheets are compiled and presented as final reports available to the public and all governmental agencies.

The survey will cost \$38,500 per year based on current charges for helicopter rental. The proposal is for two years of surveys and will cost \$77,000.

Louisiana Department of Wildlife and Fisheries will be responsible for project design, contracting helicopter rental, data collection, and report writing. This project will be subject to public review under the Coastal Impact Assistance Program. The department will bear responsibility for any cost overruns associated with project completion.

Is the project cost shared? No

Total Project Cost: \$77,000



## 8) Campground Improvements - Atchafalaya Delta WMA

Submitted By: DWF- Fur & Refuge Div.

Contact Name: Greg Linscombe

Phone Number: 337-373-0032

Total Funds Requested: \$140,000

Parish CIAP Funds: \$0

State CIAP Funds: \$140,000

Infrastructure: \$0

Selection Criteria and Justification: 1(C) protection, restoration and enhancement of coastal water quality consistent with the provisions of the Coastal Zone Management Act (16 U.S.C. 1451 et seq.), including the reduction or monitoring of coastal polluted runoff or other coastal contaminants

Project Description: The project is designed to improve facilities for hunters, fishermen, and campers using campgrounds on the Atchafalaya Delta WMA (St. Mary Parish). Improvements will include the construction of restroom facilities at both the Wax Lake Delta and Main Delta campgrounds and elevating and leveling portions of the Wax Lake campground. These campgrounds accommodate up to 200 users on peak days of the waterfowl and archery season. St. Mary parish Health officials have recommended that the department construct such facilities to insure sanitary conditions on these public use areas.

Three (3) restroom facilities will be constructed at the Wax Lake campground and two (2) restrooms will be constructed at the campground on the Main Delta. Restroom design will be based on the best design available from State Parks, the National Park Service, and the U.S. Forest Service for primitive campgrounds (no running water).

A 400 ft. x 50ft. section of the Wax Lake campground will be elevated 3ft. and leveled to reduce the chance of flooding or pooling of water from heavy rainfall.

Based on preliminary estimates, construction cost for these remote restroom facilities will be \$25,000 per unit for a total of \$125,000 for 5 units. This will include a concrete building, holding or treatment tank, and solar powered aeration system if feasible. No negative environmental impacts are anticipated from construction of this project. The 3,000 cu. ft. of material to be dredged and leveled will cost \$15,000. Therefore, the total cost of this project will be \$140,000. Louisiana Department of Wildlife and Fisheries will provide manpower for planning, bidding, contracting, and construction supervision.

Louisiana Department of Wildlife and Fisheries will be responsible for project design, contracting and construction monitoring. This project will be subject to public review under the Coastal Impact Assistance Program. The department will bear responsibility for any cost overruns associated with project construction.

Is the project cost shared? No

Total Project Cost: \$140,000

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9) Oyster Lake Terracing - Marsh Island Refuge

Submitted By: DWF- Fur & Refuge Div.

Contact Name: Greg Linscombe

Phone Number: 337-373-0032

Total Funds Requested: \$206,800

Parish CIAP Funds: \$0

State CIAP Funds: \$206,800

Infrastructure: \$0

Selection Criteria and Justification: 1(G) protection and restoration of natural coastline protective features, including control of coastline erosion

Project Description: The project is designed to reduce fetch and continued interior erosion of Oyster Lake on Marsh Island Refuge (Iberia Parish). The project involves the construction of four "Duck Wing" shaped terraces oriented to reduce the effect of prevailing winds on the northwest and southwest comers of the lake. The lake is approximately 1.7 miles in diameter and has shallow water depths, which average 3-4 feet. In addition to reducing wave energy, turbidity may be reduced, thereby encouraging the growth of submerged aquatics and improving diversity of habitat for marine resources.

The proposal is to construct four (4) "Duck Wing" shaped terraces, two (2) along the northwest side and two (2) along the southwest side of Oyster Lake. These terraces would be placed within 100 ft of the lakeshore. Each terrace would extend approximately 3 000 linear ft.; have a crown width of 10 ft., a slope 1: 4 and a base of 52 ft. The borrow pit would not exceed depths of more than 6 ft. below the mud line and a slope of 1: 2. The distance between the base and the borrow pit (the berm) would be maintained at a minimum of 20'. Upon completion, terraces will be planted with two rows of two (2) plugs on 3 ft centers of smooth cord grass *Spartina alterniflora*. No negative environmental impacts are anticipated from this construction project.

Based on the known cost of implementing a similar known project in Little Vermilion Bay the construction cost will be \$ 140,000 for the construction of four (4) 3000ft. long terraces. The plantings for all four terraces will be \$48,000 for a total of \$216,200 including engineering design. Louisiana Department of Wildlife and Fisheries will provide manpower for planning, bidding, contracting, and construction supervision as an in-kind match of \$ 9,400.

Louisiana Department of Wildlife and Fisheries will be responsible for project design, contracting and construction monitoring. This project will be subject to public review under the Coastal Impact Assistance Program. The department will bear responsibility for any cost overruns associated with project construction.

Is the project cost shared? Yes

Total Project Cost: \$216,200

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#### 10) Lake Tom North Shoreline Stabilization - Marsh Island

Submitted By: DWF- Fur & Refuge Div.  
Contact Name: Greg Linscombe  
Phone Number: 337-373-0032

Total Funds Requested: \$440,000  
Parish CIAP Funds: \$0  
State CIAP Funds: \$440,000  
Infrastructure: \$0

Selection Criteria and Justification: 1(G) protection and restoration of natural coastline protective features, including control of coastline erosion

Project Description: The project is designed to maintain the integrity of the northern perimeter of Lake Tom on Marsh Island Refuge (Iberia Parish) by preventing further erosion to this already fragile shoreline. This shoreline separates a large interior lake from West Cote Blanche Bay. Through recent documentation the erosion rates along this shoreline amount to 10 feet annually. This shoreline erosion has increased this past year and reduced the narrowest portion of the north shoreline to 25 feet wide. This interior lake on the northeastern side of Marsh Island Refuge provides prime habitat for fisheries and contributes immensely to the productivity of the Vermilion Bay Complex. Loss of the interior lake to become part of West Cote Blanche Bay will result in loss of productivity and increased erosion on remaining shorelines.

The proposal is to construct 1,500 ft. of rock (250 lb. Maximum) breakwater on the shoreline of Marsh Island adjacent to West Cote Blanche Bay in front of the narrowest section of the shoreline. A geo-textile fabric will be installed on the bay bottom prior to installation of the rock. The rocks will be placed on a 2:1 slope to an elevation of 2.72 NAVD 88 (allowing for settling) with a 2 ft. crown width. No negative environmental impacts are anticipated from this construction project.

Based on the known construction cost for a similar shoreline protection project at Bird Island Bayou just west of the project area, the estimated cost of this project is \$460,000.00. Louisiana Department of Wildlife and Fisheries will provide manpower for

planning, bidding, contracting, and construction supervision as an in-kind match of \$20,000.

Louisiana Department of Wildlife and Fisheries will be responsible for project design and contracting. This project will be subject to public review under the Coastal Impact Assistance Program. The department will bear responsibility for any cost overruns associated with project construction.

Is the project cost shared? Yes

Total Project Cost: \$460,000

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#### 11) Grand Bayou Unit Boat Launch - Point-Au-Chien WMA

Submitted By: DWF- Fur & Refuge Div.

Contact Name: Greg Linscombe

Phone Number: 337-373-0032

Total Funds Requested: \$550,000

Parish CIAP Funds: \$0

State CIAP Funds: \$550,000

Infrastructure: \$0

Selection Criteria and Justification: 1(A) activities which support and are consistent with the Coastal Zone Management Act including National Estuarine Research Reserve programs, the National Marine Sanctuaries Act, the Magnuson B Stevens Fishery Conservation and Management Act, or the National Estuaries program

Project Description: The project is designed to improve boating access for the public to the Grand Bayou Management Unit and Bayou Point-au-Chien (Terrebonne and Lafourche Parishes) for access to other region of the WMA. Two boat ramps are planned at this one site along with a large parking lot (3.5 acres). One ramp will allow hunters to access the western side of Grand Bayou Unit and the other ramp located on Bayou Point-au-Chien will allow hunters to access other areas of the WMA.

This proposal is to construct two (2) two-boat ramps and a 3.5 acre parking lot in the south central part of the WMA. Both boat ramps, one into the Grand Bayou Unit and one into Bayou Point-au-Chien will be concrete and have adjacent boat docking. A 500 ft. access road from La. Highway 665 will be constructed for access to the ramps and parking lot. No negative environmental impacts are anticipated from this construction project.

Based on the known construction cost for similar boat ramps, the estimated cost for the two (2) ramps and docking will be \$300,000. The estimated cost for 500 ft. of road

construction and a 3.5 acre parking lot will be \$250,000, for a total cost of \$550,000. The Department of Wildlife and Fisheries will provide manpower for planning, bidding, contracting, and construction supervision as additional in-kind match.

Louisiana Department of Wildlife and Fisheries will be responsible for project design, contracting and construction monitoring. This project will be subject to public review under the Coastal Impact Assistance Program. The department will bear responsibility for any cost overruns associated with project construction.

Is the project cost shared? No

Total Project Cost: \$550,000

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## 12) Montegut Unit South Levee Repair - Point-Au-Chien WMA

Submitted By: DWF- Fur & Refuge Div.

Contact Name: Greg Linscombe

Phone Number: 337-373-0032

Total Funds Requested: \$2,640,000

Parish CIAP Funds: \$0

State CIAP Funds: \$500,000

Infrastructure: \$0

Selection Criteria and Justification: 2 - projects and activities for the conservation, protection or restoration of wetlands

Project Description: The project will repair a major levee on the Point-Au-Chien WMA (Terrebonne Parish). The levee is the most threatened component of the Montegut unit. This water management unit is 4,500 acres and has been one of the most successful waterfowl hunting areas managed by the department. Water salinity and level are managed to establish dense stands of submerged aquatics for waterfowl feeding. This unit is a very productive area in a region of the coast with severe saltwater intrusion problems and resulting low productivity. This 18,000 ft. of levee is in need of a major re-lift to insure the integrity of the entire unit. This levee has five (5) very low and weak sections, but the entire levee is too low and requires major repair. If the levee fails the high productivity of this marsh for waterfowl is lost and the marsh will convert to open water.

The project will rebuild the 18,000 ft. south levee of the Montegut unit (from the Bayou Terrebonne Ridge to the Point Farm Ridge). A haul road from the existing Point Farm Road to the levee will be constructed. After clearing, grubbing, and installation of board road (to be left in place) borrow will be trucked in. Placement of borrow will be to a + 5.0 with a 16 ft. crown and a 3:1 slope. Seeding and fertilization will provide cover and improved long term maintenance. A 20-ton concrete bridge is proposed to cross each of

the two (2) existing water control structures. No negative environmental impacts are anticipated from this construction project.

Cost for this project is based on a report entitled "Montegut Wetlands Project, Project No. TE-01, Maintenance and Repairs Study" prepared for Louisiana Department of Natural Resources, Coastal Restoration Division, September, 1999. The cost for the project will be \$2.76 million. Louisiana Department of Wildlife and Fisheries will provide manpower for planning, bidding, contracting, and construction supervision as in kind match of \$120,000.

Louisiana Department of Wildlife and Fisheries will be responsible for project design, contracting and construction monitoring. This project will be subject to public review under the Coastal Impact Assistance Program. The department will bear responsibility for any cost overruns associated with project construction.

Is the project cost shared? Yes

Total Project Cost: \$2,760,000

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### 13) Hydrographic Monitoring Across Coastal Louisiana

Submitted By: DWF, Office of Fisheries

Contact Name: John Roussel

Phone Number: 225-765-2800

Total Funds Requested: \$228,500

Parish CIAP Funds: \$0

State CIAP Funds: \$150,000

Infrastructure: \$0

Selection Criteria and Justification: 1 E) assessment, research, mapping and monitoring of coastal or marine resources and habitats, including, where appropriate, the establishment and monitoring of marine protected areas

Project Description: This proposed project will enhance the Louisiana Department of Wildlife and Fisheries' ability to manage the State's fisheries resources in the presence of current climatic disturbances and associated changes to the coastal fisheries habitat. This is a two year project.

The State's management of Louisiana's fisheries resources is dependent upon maintaining hydrographic monitoring across coastal Louisiana. This hydrographic monitoring is the backbone of the most comprehensive long-term database of coastal environment in the State. Louisiana's coastline is one of the most physically and economically dynamic in the United States.

Marine fisheries resources impact the State's economy in excess of two billion dollars annually and the coastal habitats, the wetlands, estuaries and barrier islands, are the basis of this economic impact. These coastal habitats are physically threatened by recent climatologic change, including rainfall levels, and related river discharges, storm surges and related coastal erosion, as well as possible threats from oil spills and related clean-up. All of these situations necessitate the monitoring of hydrologic data for the management, conservation, restoration and protection of these habitats and associated fisheries resources as mandated by the Magnuson-Stevens Marine Fishery Conservation and Management and the Coastal Zone Management Acts.

Since the network's inception over 30 years ago this data has been used to manage Louisiana's marine fisheries, monitor environmental conditions during oil spill recovery and contingency planning, document changing environmental conditions, temporally and spatially, and notify commercial and recreational fishermen as to conditions offshore. This network of 16 data recorders is presently funded partially through a Federal Red Tide project and State Artificial Reef and Oyster Sanitation programs. Funding sources to fully operate this network are necessary to maintain this valuable monitoring data base.

The hydrologic data (salinity, water temperature, wave height offshore, wind speed and direction, barometric pressure, rainfall and air temperature) is presently provided by a network of continuous real-time hydrographic data recorders in coastal Louisiana cooperatively maintained by the U.S. Geological Survey and the Louisiana Department of Wildlife and Fisheries. Louisiana's \$170 million dollar (dockside value) shrimp industry is dependent on this hydrologic data for managing the seasons to maintain this economically important state resource. This data is also important in the monitoring of Louisiana's coastal waters for the approach of red tide that could conceivably cripple the State's \$23 million dollar oyster harvesting industry. These parameters are also necessary for tracking hypoxia, which continues to threaten Louisiana's Gulf coast commercial and recreational fisheries.

Is the project cost shared? Yes

Total Project Cost: \$228,500

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#### 14) Public Oyster Resource Development Project

Submitted By: DWF, Office of Fisheries

Contact Name: John Roussel

Phone Number: 225-765-2800

Total Funds Requested: \$1,632,200

Parish CIAP Funds: \$0

State CIAP Funds: \$1,600,000

Infrastructure: \$0

Selection Criteria and Justification: 1 B) conservation, restoration, enhancement or protection of coastal or marine habitats including wetlands, estuaries, coastal barrier islands, coastal fishery resources and coral reefs, including projects to remove abandoned vessels or marine debris that may adversely affect coastal habitats

Project Description: The proposed project will enable the Louisiana Department of Wildlife and Fisheries to develop and maintain public-access oyster reefs and the ecological and economic benefits that accrue from them by planting crushed limestone, recycled oyster shells, or other available and suitable cultch materials. This will be a two year project.

Oyster production in Louisiana over the past ten years has averaged 10 million pounds annually with a dockside value of approximately 23 million dollars; the State ranks first among the Gulf States, and is usually first in the United States in oyster production. The oyster industry is important to both local economies and the State economy. In addition to the economic benefits provided, there also are ecological benefits accruing from the reefs: providing and enhancing high quality fish habitat and protected water for fishermen; shoreline protection and; water quality improvement associated with reduced re-suspension of bottom sediments and increased filtration by filter feeding oysters.

The oyster producing water bottoms in Louisiana include both state-managed public oyster seed grounds and leased areas that are maintained privately. Fluctuating environmental conditions in coastal Louisiana result in inconsistent availability of seed oysters on many water bottoms. To provide oyster leaseholders with a source of seed oysters and thereby maintain a stable source of oysters available to the market, the Department maintains and manages public seed grounds at several locations along the Louisiana coast. These areas include most of the State's traditional, naturally productive reef areas. Public seed grounds are managed primarily to provide seed oysters for bedding on private leases. These areas are periodically opened to allow lessees opportunity to harvest and transplant seed oysters to their leased areas for growth to marketable sizes. Additionally, when the public seed grounds are opened, licensed fishermen are also allowed to harvest legally sized oysters and market them directly.

Enhancement of oyster seed grounds by planting cultch material to create new reef areas or increase production of existing reefs has been an established method in Louisiana's oyster management program since 1926. Using dockside values, the results of previous shell plants indicate that a monetary return of 4:1 (benefit/cost) can be expected. This ratio does not include the economic multiplier effect associated with the additional increase in value that occurs as oysters make their way through the market to the consumer.

The Louisiana Shellfish Restoration and Enhancement Project was funded by NOAA in 1993. During 1994 and 1995, 181,907 cubic yards of cultch material were deposited at various project sites, and average Benefit/Cost ratio at the export/final domestic consumer sale level was estimated to be 5.6 to 1 following the first five years of the project. Thus, the State and the oyster industry realize an economic benefit from



establishment and maintenance of public oyster seed grounds. The State also is the beneficiary of ecological benefits that derive from the public reef itself, and from enhancements they provide as transplant material for private reef.

In February 2001, the Louisiana Wildlife and Fisheries Commission set aside areas in portions of Lake Mechant, Lake Tambour, Lake Chien, and Lake Felicity in Terrebonne Parish; Deep Lake in Lafourche Parish; and Barataria Bay next to Queen Bess Island in Jefferson Parish as public oyster seed grounds. The proposed two-year project will establish new reef sites by depositing cultch material in 5 acre plots in each of the newly designated public oyster seed grounds as a pilot project during the first year. Following evaluation of first-year monitoring data, a large-scale cultch plant will be conducted over suitable water bottoms during the second year.

Is the project cost shared? Yes

Total Project Cost: \$1,632,200

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#### 15) Development and Implementation of the LA Regional Restoration Program in the Coastal Regions

Submitted By: LA Oil Spill Coordinator  
Contact Name: Karolien Debusschere  
Phone Number: 225-219-5800

Total Funds Requested: \$1,000,000  
Parish CIAP Funds: \$0  
State CIAP Funds: \$300,000  
Infrastructure: \$0

Selection Criteria and Justification: 1(B), 1(D); 2. projects and activities for the conservation, protection or restoration of wetlands;  
3. mitigating damage to fish, wildlife or natural resources, including such activities authorized under subtitle B of title IV of the Oil Pollution Act of 1990 (oil spill removal and contingency planning;  
4. planning assistance and administrative costs of complying with the provisions of this section

Project Description: Federal and state natural resource trustees recently initiated a cooperative, interagency planning effort aimed at developing the first statewide comprehensive Regional Restoration Planning Program (RRP Program), including Regional Restoration Plans (RRPs), to assist the natural resource trustees in carrying out their responsibilities for discharges or substantial threats of discharges of oil. The goal of this initiative is to develop an institutional framework and procedures that will improve

the efficiency of the Natural Resource Damage Assessment (NRDA) process, provide for consistency and predictability, and increase restoration.

LOSCO requests funding to complete the development of the Louisiana RRP Program and the four proposed coastal RRP (i.e., the four COAST 2050 regions). It is also seeking support for the start-up costs to begin implementing the RRP Program as the coastal RRP are completed. LOSCO is requesting \$1 million over a two-year period. The Louisiana RRP Program will identify the statewide RRP Program structure, the decision-making process, and the criteria that will be used to select the restoration project(s) that restore the natural resources injured by a given spill incident. The RRP will identify the resources and/or services that could potentially be impacted by an incident and the restoration projects that are available for implementation within a given region.

NRDA is authorized under the Oil Pollution Act of 1990 (OPA), 33 U.S.C. §2701 et seq., and the Louisiana Oil Spill Prevention and Response Act of 1991 (OSPRA), La. Rev. Stat. 30:2451 et seq. which are the principal federal and state statutes authorizing federal and state agencies, and tribal officials to act as natural resource trustees for the recovery of damages for injuries to natural resources resulting from an unauthorized discharge or substantial threat of a discharge of oil in Louisiana. Planning from the RRP Program has been ongoing for the last two years and a programmatic EIS is being developed for it at this time.

To date LOSCO has participated in and/or held 15 informal scoping meetings with a broad group of stakeholders to discuss the RRP Program with the public. They intend on holding a number of public meetings upon publication of a public review document. Public participation is required as part of the process for developing each RRP and as part of the NRDA process restoration project selection process.

Is the project cost shared? No

Total Project Cost: \$1,000,000

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#### 16) Coastal Roots: School Seedling Nursery Program For Wetland Restoration

Submitted By: LSU, Office of Sea Grant Dev.  
Contact Name: Jack R. Van Lopik  
Phone Number: 225-578-3386

Total Funds Requested: \$20,000  
Parish CIAP Funds: \$0  
State CIAP Funds: \$20,000  
Infrastructure: \$0

Selection Criteria and Justification: 1(J) projects that promote research, education, training and advisory services in fields related to coastal living marine resource use and management

Project Description: Coastal Roots' primary aims are to develop in our middle to high school students an attitude of stewardship toward our natural resources and to provide for them a constructive active learning situation in which they can explore strategies for sustaining and restoring our coastal ecosystems. This program established nine wetland nurseries at selected schools from coastal Louisiana in 2001. The students at the selected schools are now maintaining a nursery on their school grounds and will conduct a year-long nursery project during which they will grow native Louisiana wetland plants (southern bald cypress, southern wax myrtle and black mangrove).

These nurseries will be capable of producing native wetland plants for use in habitat restoration projects. Students managing these nurseries will oversee the entire growth cycle of the plants, from seed collection to the planting of seedlings in the restoration projects. Funding is requested to expand and enhance the existing project in Terrebonne and Lafourche Parishes. Expansion would involve setting up the program in two additional schools (one each in Terrebonne and Lafourche parishes). Enhancement will involve providing additional nursery materials (primarily can yards) at schools in Lafourche Parish, in addition to a seed collecting trip for the five schools in the Terrebonne and Lafourche parishes.

Initial start-up funds for the Coastal Roots Seedling Nursery Program have been obtained from Louisiana Sea Grant College Program, Barataria-Terrebonne National Estuary Program (BTNEP) and Coalition to Restore Coastal Louisiana. This funding provided initial funding for nurseries at eight schools within south Louisiana beginning in January 2001. One school in the program secured their own funding through a grant from the Lake Pontchartrain Basin Foundation.

Is the project cost shared? No

Total Project Cost: \$20,000

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#### 17) Marine Fisheries Laboratory – Barataria Bay, LA – Feasibility Study

Submitted By: DWF, Office of Fisheries

Contact Name: John Roussel

Phone Number: 225-765-2800

Total Funds Requested: \$112,584

Parish CIAP Funds: \$0

State CIAP Funds: \$100,000

Infrastructure: \$0

Selection Criteria and Justification: 1 (E) assessment, research, mapping and monitoring of coastal or marine resources and habitats, including, where appropriate, the establishment and monitoring of marine protected areas

Project Description: Perform a feasibility study to develop a marine fisheries laboratory research facility in order to conduct environmental monitoring and field research within the Barataria estuarine system which supports the nation's significant shrimp, oyster and finfish fisheries.

The proposed facility will enhance the Louisiana Department of Wildlife and Fisheries ability to effectively manage important marine resources. Recreational and commercial users and non-consumptive interests will be benefited. Louisiana Revised Statute 56:611 mandates a fisheries research station on the Gulf coast. The present facility, Lyle S. St. Amant Marine Laboratory, located on Grand Terre island is 41 years old and although a state-of-the-art marine laboratory in 1960, and still functioning now as fisheries research center and field site for coastal fisheries monitoring, the ravages of weather have taken a toll on the physical plant. However, the most critical factor in the future of the facility is coastal erosion which has now eliminated most of the protective beach and dunes and allows frequent high water events to flood parts of the laboratory compound. The continuous need to conduct marine fisheries monitoring and research operations in the Barataria estuary necessitates developing a facility in an area less threatened by immediate effects of coastal erosion than Grand Terre Island.

Barataria Bay is the most productive estuarine system in Louisiana and therefore the Gulf coast. The value of its fisheries resources ranks among the highest in the nation. It also contains extensive oil and gas industry infrastructure, including the ports of Fourchon, Leeville and Lafitte, which serve the in and off-shore oil industry. Shipyards in the basin provide the support vessels needed by oil and gas industry. Extensive development of oil and gas resources has occurred in the basin and adjacent offshore waters. The impacts of the oil and gas industry in the basin have contributed to land loss in the basin.

As in the existing facility, a new facility must provide for a base of operation in close proximity to the resource, allowing field personnel to provide timely and effective resource management. The new facility must also provide accommodations for the department's research vessels including a 52 ft Lafitte skiff, with bay as well as near shore Gulf capabilities.

A new Marine Laboratory research facility will allow long term monitoring of fishery resources of the productive Barataria estuary to continue, but more importantly will continue and expand the departments present capabilities to conduct estuarine and near shore Gulf research, e.g., surveys of essential fish habitats using side-scan sonar on the departments new research vessel. Such a facility in the Barataria estuary would be centrally located to monitor near shore artificial reefs, such as, the Freeport Sulphur reef, and oyster reefs and seed grounds; coastal phenomena such as the dead zone; and coastal restoration projects such as Davis Pond. In addition to offering research capabilities to department biologists such a facility will allow others (e.g., federal departments, other

state agencies, and universities) researching the Louisiana coast to have laboratory facilities and a base of operations. As in the present facility, a new facility would also serve as an educational center, allowing the public, through department and university programs, to understand the physical and biological dynamics of the Louisiana coastal zone.

Is the project cost shared? Yes

Total Project Cost: \$112,584

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#### 18) Control of Water Hyacinth and Salvinia in Coastal Louisiana

Submitted By: DWF, Office of Fisheries

Contact Name: John Roussel

Phone Number: 225-765-2800

Total Funds Requested: \$255,400

Parish CIAP Funds: \$0

State CIAP Funds: \$250,000

Infrastructure: \$0

Selection Criteria and Justification: 1 (H) identification, prevention and control of invasive, exotic and harmful non-indigenous species

Project Description: One of the major obstructions to boating and fishing in coastal marshes in Louisiana is the abundance of exotic aquatic vegetation. The complex system of Louisiana's bayous and lakes in the marsh are connected with numerous canals. In some areas, fish production may be limited by this overabundance of vegetation. The primary species causing problems are water hyacinth, hydrilla, and salvinia.

The Louisiana Department of Wildlife and Fisheries, supported with funds from the National Marine Fisheries Service, established a program to control nuisance aquatic vegetation in portions of coastal Louisiana. This project will end June 30, 2002. If continued, this project will provide control of nuisance, exotic, aquatic vegetation on approximately 8,000 acres of water in coastal Louisiana.

Department employees will conduct annual surveys to determine the coverage of aquatic vegetation in coastal Louisiana. Areas will be prioritized each year with respect to where treatments need to be made. Aerial application of appropriate herbicides will be made following these surveys. Treatments will be made by contracted applicators.

Is the project cost shared? Yes

Total Project Cost: \$255,400

## 19) Louisiana Underwater Obstructions Removal

Submitted By: DNR, Office of Conservation

Contact Name: Philip N. Asprodites

Phone Number: 225-342-5540

Total Funds Requested: \$2,000,000

Parish CIAP Funds: \$0

State CIAP Funds: \$250,000

Infrastructure: \$0

Selection Criteria and Justification: 1 B) conservation, restoration, enhancement or protection of coastal or marine habitats including wetlands, estuaries, coastal barrier islands, coastal fishery resources and coral reefs, including projects to remove abandoned vessels or marine debris that may adversely affect coastal habitats

Project Description: This is a grant request for implementation of a comprehensive coastal program to locate, identify, document, and remove objects that pose a threat to navigation and commercial fishing, to complement the Louisiana Underwater Obstruction Removal Program administered by the Louisiana Department of Natural Resources, Office of Conservation, and also for the continuation of such program. Underwater obstructions pose serious threats to human life and safe navigation throughout Louisiana's coastal areas. The Program will formulate a Plan of Action to precisely locate, identify and remove underwater obstructions, and execute contracts to accomplish these Plans. Additionally, the Program will publish annual charts detailing the locations of known underwater obstructions.

### Background and Location

Decades of mineral exploration and commercial fishing, combined with the impact of erosion and storms, have created a growing number of obstructions in Louisiana's coastal waters. Coastal area obstructions result in part from thousands of miles of abandoned and active pipelines, remnants of abandoned oil and gas structures and related debris, sunken boats and barges, and abandoned dredging equipment; all obstacles that pose threats to the life and property of all who navigate these waters, particularly commercial and recreational fishermen. Storms and hurricanes create new obstructions and redistribute old ones, and pipelines and other objects formerly located on land become additional hazards in the coastal waters. These underwater obstructions pose serious threats to human life and safe navigation throughout Louisiana's coastal areas.

In recognition of the seriousness of the hazards and loss of property caused by these underwater obstructions, in 1980 the Louisiana Legislature created the Fishermen's Gear Compensation Fund, a State regulatory program funded by fees assessed on holders of all state mineral leases and grantees of pipeline right-of-ways located within the state's coastal zone. Since its inception, the Program has paid over \$16 million in claims to compensate commercial fishermen who suffer equipment losses due to encounters with

underwater obstructions in State waters. While this Fund provided a means to mitigate financial losses caused by the underwater obstructions, it did not provide a long-term solution.

In an effort to further address the hazards of underwater obstructions, the 1997 Louisiana Legislature passed Act 666, which created the Underwater Obstructions Removal Program. The main goals of the program are as follows: (1) To formulate a Plan of Action for the location and removal of obstructions, and the execution of contracts to accomplish these Plans; and (2) To publish annual charts detailing the locations of known or suspected underwater obstructions. Since no funds were appropriated to the Underwater Obstructions Program by the Louisiana Legislature, initial funding for the Program was provided by a three-year \$1,491,000 grant from the National Oceanic and Atmospheric Administration, for the emergency relief for damages resulting from Hurricane Andrew. Additionally, the Louisiana Legislature passed Act 599 of 1999, which authorized the transfer of \$250,000 from the Fisherman's Gear Compensation Fund for two years, utilizing unused funds that would not effect payments for claims. Existing funds for the Louisiana Underwater Obstructions Program expire on June 30, 2001 and the Program will cease operation.

Since inception, this "Pilot Program" has identified 235 underwater obstructions and removed 151, weighing over 3000 tons. The program was charged with the task of determining, with the expenditure of limited funds and personnel, the feasibility of the development of a continuing program to remove all underwater obstructions in a timely and economical manner. The Louisiana Office of Conservation strongly feels the success of the program clearly demonstrates such feasibility. Additionally, the United States Environmental Protection Agency bestowed the 2001 Second Place Gulf Guardian Award on the Underwater Obstructions Removal Program, in recognition of its efforts to protect and restore the Gulf.

The funds appropriated for the Underwater Obstructions Removal Program totaled \$1,991,000, and were distributed over a three and one-half year period, for the following expenditures:

Total Expenditures for Locating Obstructions - \$418,000 (22% of Total Budget)  
Total Expenditures for Removing Obstructions - \$1,140,000 (61 % of Total Budget)  
Total Program Administration Expenses - \$311,000 (17% of Total Budget)  
Remaining - \$122,000

Whereas, the Louisiana Underwater Obstructions Removal Program has made a significant impact in three and one-half years, there are still a large number of underwater obstructions in Louisiana's coastal waters. The procurement of funding for this Program is necessary to continue to locate, identify and remove the underwater obstructions that pose serious threats to human life and safe navigation throughout Louisiana's coastal areas. Current records reflect approximately 3,000 reported incidents with underwater obstructions just within the three-mile boundary that marks Louisiana's coastal waters.

According to claims filed with the Louisiana Fishermen's Gear Compensation Program, shrimpers report the greatest concentration of underwater obstructions occur near passes, river mouths and other major openings to the Gulf of Mexico. These are also areas shrimp and other marine life use to migrate from estuaries to the open Gulf, as well as the same areas utilized by waterborne commerce and oilfield supply boats. The intentional or unintentional loss of cargo, supplies, and vessels around areas congregated by shrimpers and other fishermen results in numerous encounters with underwater obstructions. Additionally, the close proximity of these obstructions to areas of high vessel usage pose a threat to safe navigation.

It should also be recognized that Louisiana's underwater obstructions in coastal waters and the Gulf are not solely this State's problem. The entire nation continues to benefit from the production of seafood and mineral resources from Louisiana's coastal areas. Approximately \$88 billion of the approximately \$131 billion of royalties and bonuses collected by the Federal Treasury from minerals extracted from the Outer Continental Shelf is from facilities off the Louisiana coastline.

The Louisiana Underwater Obstructions Removal Program is consistent with the uses of funds specified in the Guidelines and Application for Funds for the Coastal Impact Assistance Program, as set forth in I.B, namely, the "conservation, restoration, enhancement or protection of coastal or marine habitats, including wetlands, estuaries, coastal barrier islands, coastal fishery resources and coral reefs, including projects to remove abandoned vessels or marine debris that may adversely affect coastal habitats."

At present, locating underwater obstructions is accomplished by utilizing sonar equipment and a differential Global Positioning and Navigation System while trawling specific sites with a chain. As long as the surveys are conducted by private industry, this is the most successful method for the cost. The Program will purchase the necessary equipment and utilize its own personnel, and as a result, the number of obstructions located will greatly increase at a much lower cost. Once obstructions are precisely located and documented, divers will descend and further examine them for a detail identification. After compiling a list of the obstructions in a targeted area, a determination will be made concerning the equipment required for the obstructions removal. Contracts require that removed obstructions are disposed of properly and legally, in a manner consistent with the Underwater Obstructions Removal Program guidelines. It is the intent of the Department of Natural Resources, Office of Conservation, to continue this program beyond the term of this grant, and therefore maintain all equipment and supply expenditures associated with the Coastal Impact Assistance Program.

Is the project cost shared? Yes

Total Project Cost: \$2,000,000



## **PROJECTS FUNDED WITH STATE CIAP AND COASTAL POLITICAL SUBDIVISION FUNDS**

### **III.2. Projects Funded With State CIAP and Coastal Political Subdivision Funds**

#### **20) Hackberry Road Improvement Project**

Submitted By: Cameron Parish Police Jury  
Contact Name: Earnestine T. Horn  
Phone Number: 337-775-5718

Total Funds Requested: \$472,470  
Parish CIAP Funds: \$200,558  
State CIAP Funds: \$271,912  
Infrastructure: \$472,470

Selection Criteria and Justification: 6 - onshore infrastructure projects and other public service needs intended to mitigate the environmental effects of Outer Continental Shelf activities.

Project Description: Hackberry Road Improvement Project

Due to excessive oilfield traffic, Parish Rd. No. 653, also known as Superior Road, needs to be overlaid with asphalt. The Hackberry Area is known as the first place in Louisiana for oil drilling to occur. This road supports oilfield traffic going to the Gum Cove, the Shell Western, Amoco, West Hackberry and Black Lake Oil and Gas Fields.

Is the project cost shared? No

Total Project Cost: \$472,470

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#### **21) Fifi Island Restoration Project**

Submitted By: Jefferson Parish  
Contact Name: Marnie Winter  
Phone Number: 504-736-6440

Total Funds Requested: \$999,500  
Parish CIAP Funds: \$249,875  
State CIAP Funds: \$749,625  
Infrastructure: \$0

Selection Criteria and Justification: 2 - projects and activities for the conservation, protection or restoration of wetlands

Project Description: The location of the project is in the vicinity of Bayou Rigaud, approximately 0.5 miles north of the Town of Grand Isle, LA at Fifi Island. The

objective is to construct rock plugs and a rock armor containment levee to seal existing breaches on Fifi Island and prevent further wetland loss.

Fifi Island is one of several islands off the gulf coast of Louisiana in the Barataria Basin and is adjacent to the Corps of Engineers maintained navigation channel the Barataria Waterway. The island is experiencing an alarming rate of land loss 504 acres (1935) to 270 acres (1996) or a 3.8 acre lost per year. This phase of the project will consist of constructing rock breakwaters to the north of Fifi Island. This will protect the most vulnerable portion and serve as an area for the next phase of the project which will be Bayou Rigaud dredging and beneficial use of the material which is an existing authorized project.

It is suspected that the dredge material for the dredging of Bayou Rigaud may be contaminated due to oil field activities in the area and this material will be placed in the confined disposal area created by the breakwater project. Once this material is placed, additional non contaminated material will be dredged to form a cap and additional wetland areas will be created.

Three local entities: Town of Grand Isle, Grand Isle Independent Levee District and Grand Isle Port Commission have taken the lead in preserving, protecting and rebuilding this barrier island which used to have a thriving restaurant, shrimp drying business and rich flora and fauna in the past. the three Grand Isle entities have already commenced the process of funding application and project public outreach efforts.

Is the project cost shared? No

Total Project Cost: \$999,500

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## 22) Leeville Bridge Preliminary Design

Submitted By: Lafourche Parish Council  
Contact Name: Grady Galliano  
Phone Number: 985-632-4666

Total Funds Requested: \$1,705,795  
Parish CIAP Funds: \$338,647  
State CIAP Funds: \$1,367,148  
Infrastructure: \$1,705,795

Selection Criteria and Justification: 6 - onshore infrastructure projects and other public service needs intended to mitigate the environmental effects of Outer Continental Shelf activities

Project Description: Leeville Bridge Preliminary Design - The current Leeville Bridge is a mechanical-lift-span bridge built in the 1960's. It is inadequate for the demand, known for failing, and the curvatures in the approaches are a hazard. This is a request to fund

the much-needed preliminary engineering design on this bridge that has become a focal point of stress from OCS activities in the Central Gulf of Mexico.

The Environmental Impact Statement is near completion, (spring 2001) and the preliminary design is the next phase in implementation. This funding request is for the following: Topographic Survey, Geotechnical Testing, Mitigation/Permits, and Preliminary Design.

This highway serves as the only land access to Port Fourchon and the Louisiana Offshore Oil Port. The project is justified for the following reasons: 1) only means of oil spill response, 2) hurricane evacuation of citizens and approximately 6,000 offshore workers, equipment, and hazardous material, 3) highway has been reported to have twice as many accidents as similar highways. Curvature of bridge and highway are potential for trucks to overturn, and 4) this highway is the dividing line and ridge between the nation's two most productive estuaries - Barataria and Terrebonne.

This project has been included in Louisiana Highway One Task Force Plan, "Gateway to the Gulf", and the State of Louisiana's, "Coast 2050 Plan". This bridge is also part of the National Highway System due to its strategic link to OCS oil and gas activities in the Gulf of Mexico and LOOP

There have been a number of public hearings on this project that have been held by the LA Department of Transportation and Development, the Minerals Management Service, and the Louisiana Highway One Project Task Force. Also, a non-profit organization was formed by a concerned citizen four years ago to address the impacts to this region's infrastructure due to OCS activities. The name of the organization is the LA1 Coalition and it helped to fund the Environmental Impact Statement. Resolutions of support have been passed by the Lafourche Parish Council and the Town of Golden Meadow.

Is the project cost shared? No

Total Project Cost: \$1,705,795

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### 23) Leon Theriot Lock Project

Submitted By: Lafourche Parish Council  
Contact Name: Grady Galliano  
Phone Number: 985-632-4666

Total Funds Requested: \$1,500,000  
Parish CIAP Funds: \$250,000  
State CIAP Funds: \$1,000,000  
Infrastructure: \$1,250,000

Selection Criteria and Justification: 6 - onshore infrastructure projects and other public service needs intended to mitigate the environmental effects of Outer Continental Shelf activities

Project Description: The Leon Theriot Floodgate controls flood surges which have entrance through Bayou Lafourche into the Larose to Golden Meadow Hurricane Protection System. Although intended to be used only during hurricanes, the need to close the gate for non-hurricane high tides has lead to increased cost for barge, boat, and support water-borne traffic for Port Fourchon. The requested grant is to engineer and construct a lock with the addition of another set of gates in conjunction with the present floodgate.

A post authorization report, which is imminent, will allow the structure to be included in the U.S. Army Corps of Engineers Larose to Golden Meadow Hurricane Protection Project. This post authorization includes all necessary environmental clearances.

This is an onshore infrastructure project whose need has increased dramatically since the support of offshore drilling has greatly increased traffic from the Intracoastal Canal through the Leon Theriot Floodgate on Bayou Lafourche to Port Fourchon. The number and value of the boats needing safe harbor inside the floodgates has also increased tremendously.

This project has been supported by the South Lafourche Levee District for the last seven (7) years. It has always been the intent of the Board of Commissioners to build the project with any available funds. It is expected that several funding sources will be used.

This type of infrastructure is addressed in the Coast 2050 Plan and the Barataria-Terrebonne National Estuary Program in the social and economic aspect of providing protection and shelter from hurricanes and other extreme weather events.

The Levee District has had several meetings with the public affected by the floodgate operations. We have expressed the need on talk radio, the press, and cable television. The need to construct the locks was a point of discussion for the 20<sup>th</sup> senatorial election where all candidates discussed and supported the idea.

Is the project cost shared? Yes

Total Project Cost: \$6,000,000

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#### 24) Lafourche Marsh Creation Project

Submitted By: Lafourche Parish Council

Contact Name: Grady Galliano

Phone Number: 985-632-4666

Total Funds Requested: \$239,625  
Parish CIAP Funds: \$44,205  
State CIAP Funds: \$195,420  
Infrastructure: \$0

Selection Criteria and Justification: 2 - projects and activities for the conservation, protection or restoration of wetlands

Project Description: Lafourche Parish has the most coastal land loss per year than any other coastal Louisiana parish. Lafourche Parish loses annually 11. 1 square miles per year due to coastal erosion. With the loss of our wetlands, our hurricane protection levee is vulnerable to storms and hurricanes.

By leasing a hydraulic dredge, Lafourche Parish could create marsh in critical areas in the coastal zone. One critical area is along the Hurricane Protection Levee. Areas along the levee system have broken down and caused large ponds to open up. The high wave energy from these ponds are now causing erosion and weak spots along the Hurricane Protection Levee. In the event of a storm these weak spots could tremendously erode the levee and even cause the levee to breach.

By creating a marsh apron along the levee in these open areas that the levee is vulnerable to storms, we could provide protection to the levees and to the people who live within the levee system. These marsh aprons would also provide habitat for marine organisms, waterfowl, and shorebirds.

There has been extensive marsh loss in the vicinity of Golden Meadow, due to high subsidence and extensive dredging of oil and gas canals, as well as other causes. A highly repetitive pattern of marsh loss within areas isolated by canals and their spoil banks and in adjacent areas can be seen in this region. A dredge can be used in the oil field canals and/or in open water adjacent to areas of shallow open water surrounded by remnant marsh, and use the material to rebuild and restore broken marsh and/or open water areas to healthy marsh.

The project is included in the State of Louisiana's "Coast 2050 Plan."

Is the project cost shared? No

Total Project Cost: \$239,625

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## 25) Lake Salvador Shoreline Protection Project

Submitted By: St. Charles Parish  
Contact Name: Earl Matherne  
Phone Number: 985-783-5060

Total Funds Requested: \$2,000,000

Parish CIAP Funds: \$289,211

State CIAP Funds: \$1,000,000

Infrastructure: \$0

Selection Criteria and Justification: 1 (G) protection and restoration of natural coastline protective features, including control of coastline erosion

Project Description: The proposed use of the money allocated to St. Charles Parish is the Lake Salvador Shoreline Protection Project. The Project is consistent with the legislation in that the shoreline of Lake Salvador has been damaged to the point it can no longer hold together on its own. The shoreline has been damaged over the last 20 years by increased salinity and exposure to tidal influence due to the deterioration of the lower Barataria Basin. One of the leading supposed causes of the massive damage in the lower Barataria Basin is the extraordinary amount of Oil and Gas activities in that area. Therefore Oil and Gas extraction activities in the Upper Gulf of Mexico have directly impacted the lake rim of Lake Salvador.

The environmental impacts of this proposed project are in the process of being documented. The first phase of this project, done by NMFS through CWPPRA, was the subject of an Environmental Assessment and its conclusion showed no significant impact of the project. The proposed location of this proposed section of shoreline protection is currently involved in the CUP and 404 permit process. The area has been identified as a brown shrimp breeding area and rookery area. Although neither of these activities are currently occurring at this location, St. Charles Parish must attempt to document possible future impacts before the required permits will be issued. St. Charles Parish will also be retaining the services of an archeological firm to document possible impacts and benefits to three known archeological sites in the immediate area.

This project is being proposed to protect hundreds of acres of floating marsh located in the Salvador Wildlife Management Area. The floating marsh to be protected is separated from Lake Salvador by a small (6-foot) rangia mussel bank. The actual numbers of acres to be protected are available from the Louisiana Department of Natural Resources, Coastal Restoration Division (LDNR/CRD) as part of their mitigation program. The design cost of this project is being absorbed by LDNR/CRD through their mitigation project.

This project has been included in the Louisiana Department of Natural Resources' Coastal Restoration Plan and the Barataria-Terrebonne National Estuary Program's restoration Plan. The project is also consistent with the CWPPRA plan and the Coast 2050 plan in that it protects both endangered habitat (floating marsh) and archeological resources.

This project was selected through the efforts of the St. Charles Parish Coastal Zone Advisory Committee (CZAC). At their regular April meeting, the CZAC narrowed the

choices down to the Lake Salvador Shoreline Protection Project and the Lake Pontchartrain Western Shoreline Protection. The final decision was made by the St. Charles Parish Coastal Zone Management Administrator and the CZAC Chairman. The final decision was based on the additional costs of design and short length of shoreline that could be protected with the Lake Pontchartrain Project with the available money.

Is the project cost shared? Yes

Total Project Cost: \$2,500,000

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## 26) Parishwide Gis

Submitted By: St. James Parish  
Contact Name: Jody Chenier  
Phone Number: 225-562-2262

Total Funds Requested: \$306,102  
Parish CIAP Funds: \$256,102  
State CIAP Funds: \$50,000  
Infrastructure: \$0

Selection Criteria and Justification: 1 E) assessment, research, mapping and monitoring of coastal or marine resources and habitats, including, where appropriate, the establishment and monitoring of marine protected areas;  
2. projects and activities for the conservation, protection or restoration of wetlands;  
3. mitigating damage to fish, wildlife or natural resources, including such activities authorized under subtitle B of title IV of the Oil Pollution Act of 1990 (oil spill removal and contingency planning

Project Description: Though St. James Parish has a knowledgeable staff, the ability to obtain assistance, and a variety of support from state and federal officials on coastal use issues, it lacks the technological tools to effectively monitor coastal zone activities. The St. James Parish program was adopted by the Parish government authority to address past, present, and reasonably foreseeable future actions. However, the primary tools that the Coastal Zone Commission lacks is the mapping and database that would complete the triangle of tools and resources required to maintain an effective, state-of-the-art, coastal zone and wetland area program. Though the program can strive to obtain minimal adverse effects, the only true measurement of the effectiveness can only be achieved through advanced surveillance, planning, and photographic tools, which once implemented cannot be altered or easily disputed.

The Parish of St. James' Coastal Zone Management Committee requests funds for the completion of a parish wide GIS to assist the Committee and Parish with the assessment and management of the impacts of growth and development of coastal habitat and natural resources. The project seeks to aid in the protection, restoration, and enhancement of the



coastal zone through the assessments, research, mapping, and monitoring of coastal and/or marine resources and habitats. Additionally, our proposed project is geared to assist the Parish with its implementation.

The GIS system will provide an effective planning assistance tool for the Parish, which until now is non-existent within the Parish program. The project will be coordinated with the U.S. Corps of Engineers. Under a separate contract, the Corps would facilitate the entire GIS project. The role of the Corps will be one of an unbiased facilitation ensuring that the needs and requirements described herein will meet and/or exceed the coastal zone management requirements.

The Parish Council, in August 1998, entered into an agreement with the Corps of Engineers to develop an implementation plan for a parish wide multi-purpose and multi-participant comprehensive GIS. This effort began in 1999 and included the needs assessment, feasibility study, and development of a GIS relational database. The Parish previously contracted with the U.S. Army Corps of Engineers to prepare a durable approach to a parish wide GIS. Their evaluation was broken down into four phases: needs analysis, conceptual database designs, preliminary feasibility study, and logical database design. At the completion of the four phase analysis, the Parish was presented with a "blue print" for the most feasible means of development of a comprehensive GIS.

Public and government involvement in the project selection was achieved through a variety of ways. First, the proposed project was viewed by the Parish's Coastal Zone Management Committee for its effectiveness and needs in obtaining Committee goals and responsibilities. The Committee overwhelmingly voted their support for the project at a regularly scheduled meeting, which is opened to the public. The Parish Council also passed Council Resolution 01-31 authorizing the Parish President to apply for funds under the Coastal Impact Assistance Program.

Is the project cost shared? Yes

Total Project Cost: \$381,749

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#### 27) Bank Stabilization Along Bush Canal and Bayou Terrebonne

Submitted By: Terrebonne Parish Con. Government

Contact Name: Al Levron

Phone Number: 985-873-6406

Total Funds Requested: \$2,700,000

Parish CIAP Funds: \$894,414

State CIAP Funds: \$1,805,586

Infrastructure: \$0

Selection Criteria and Justification: 2 - projects and activities for the conservation, protection or restoration of wetlands

Project Description: Bank Stabilization Along Bush Canal and Bayou Terrebonne - This proposed project is located along the south bank of Bush Canal from Bayou Petit Caillou to Bayou Terrebonne and proceeds south along the West Bank of Bayou Terrebonne for approximately 1.2 miles. The project is also located on the east bank of Bayou Terrebonne from Madison Canal south for 10.9 miles.

This project consists of dredging material from either Bush Canal or Bayou Terrebonne and using the material to rebuild the eroded bank line. The typical section and plan view are shown on Attachments A & B. The rebuilt bank line will diminish some storm surges as well as reduce saltwater intrusion. Approximately 13.6 miles of bank stabilization is included in this project, with an estimated project budget of \$2,700,000.00. Terrebonne Parish will dedicate its direct allocation of Coastal Impact Assistance Funds to this project (Approximately \$900,000) with the remainder coming from the State's allocation. This budget includes engineering, construction and contingency costs.

This project is consistent with the legislation because it will provide protection to a highly eroding area of the Louisiana coastline. By restoring the Bayou Terrebonne ridge, this project will protect the wetlands in the area from the highly erosive forces of the Gulf of Mexico, and will retard salt water intrusion into fresher areas of the Terrebonne Marsh.

The US Army Corps of Engineers, in the Draft Environmental Impact Statement for the Morganza to the Gulf Hurricane Protection Project, noted the many studies on coastal land loss in Louisiana, and more specifically, Terrebonne Parish (pgs. 93- 123 of that report, August 2000). These studies document the impacts of coastal erosion on Terrebonne Parish. Over time, subsidence, wave action, and canal dredging have combined to cause severe deterioration to the major ridges in Terrebonne Parish. The Bayou Terrebonne ridge is one of these, and as it has deteriorated, so has the protection for areas further inland.

This project represents implementation of a strategy detailed in the State's comprehensive restoration plan (Coast 2050).

This project has been discussed and endorsed by the Terrebonne Parish Consolidated Government's Coastal Advisory Board members, the Terrebonne Parish Council, and the Terrebonne Levee and Conservation District, and with the Terrebonne Parish Legislative delegation.

Is the project cost shared? No

Total Project Cost: \$2,700,000

# **COASTAL POLITICAL SUBDIVISION FUNDS**

### **III.3. Coastal Political Subdivision Funds**

#### **28) Bayou Crab Roadway**

Submitted By: Assumption Parish Police Jury  
Contact Name: John Boudreaux  
Phone Number: 985-369-7386

Total Funds Requested: \$203,131  
Parish CIAP Funds: \$203,131  
State CIAP Funds: \$0  
Infrastructure: \$203,131

Selection Criteria and Justification: 6 - onshore infrastructure projects and other public service needs intended to mitigate the environmental effects of Outer Continental Shelf activities.

Project Description: Bayou Crab Road is heavily used by Residences and industry going to Lake Verrett. It also has several locations where the oil industry has locations along said roadway. This project would elevate Bayou Crab Road as well as place culverts to allow the natural flow of water in and out of the cypress swamp area.

Is the project cost shared? No

Total Project Cost: \$203,131

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#### **29) Baker Canal Extension**

Submitted By: Assumption Parish  
Contact Name: John Boudreaux  
Phone Number: 985-369-7386

Total Funds Requested: \$80,000  
Parish CIAP Funds: \$80,000  
State CIAP Funds: \$0  
Infrastructure: \$80,000

Selection Criteria and Justification: 6 - onshore infrastructure projects and other public service needs intended to mitigate the environmental effects of Outer Continental Shelf activities.

Project Description: Baker Canal extension is a drainage canal that leads into the Baker canal which is included in the Lake Des Allemands Watershed. This canal drains a large area in the Doreseyville Community which has prolonged high water problems. The canal drains into Lake Des Allemands Watershed and is directly connected to the coastal

wetlands which have experienced nutrient load and sediment problems.

Is the project cost shared? No

Total Project Cost: \$80,000

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### 30) Industrial Canal Boat Launch

Submitted By: Calcasieu Parish Police Jury

Contact Name: Pam Sturrock

Phone Number: 337-437-3600

Total Funds Requested: \$435,000

Parish CIAP Funds: \$435,000

State CIAP Funds: \$0

Infrastructure: \$0

Selection Criteria and Justification: 1 (A) activities which support and are consistent with the Coastal Zone Management Act including National Estuarine Research Reserve programs, the National Marine Sanctuaries Act, the Magnuson B Stevens Fishery Conservation and Management Act, or the National Estuaries program.

Project Description: The Calcasieu Parish Police Jury proposes the installation of a public boat launch along the confluence of the Industrial Canal and the Intracoastal Waterway. This installation would include a 50-foot wide boat launch, 40 asphalt parking spaces, and a security fence along the east property line. One of Calcasieu Parish's top priorities is to provide greater access to coastal activities. This launch will be the southernmost entry to prime recreational opportunities within Calcasieu Parish.

With an estimated population of approximately 170,000, Calcasieu Parish has a large pool of outdoorsmen who may utilize this facility. Because of the launch's proximity to Cameron Parish, Cameron residents may also use this facility. Over 31,000 fishing licenses and over 14,000 hunting licenses were issued in Calcasieu Parish while Cameron Parish had an additional 6,000 fishing licenses and 1,500 hunting licenses issued. Additionally, the launch may be utilized by the United States Coast Guard and the Louisiana Department of Wildlife and Fisheries, who have both tentatively decided to relocate to this site.

The Police Jury will work cooperatively with the Lake Charles Harbor and Terminal District. The site of the installation is presently owned by the Port, which will execute a joint service agreement allowing the construction and continued public use of the launch.

This project is a new project that has not been included in previous planning efforts.

Since the public has become aware of the plans for this new installation, the staff and elected officials have received a number of positive comments about the action.

Is the project cost shared? The Parish proposes that Calcasieu Parish's entire allotment of CIAP funds be utilized for this project, with the remaining costs paid for by the Police Jury.

Total Project Cost: \$665,000

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### 31) Kings Bayou Project

Submitted By: Cameron Parish Police Jury  
Contact Name: Earnestine T. Horn  
Phone Number: 337-775-5718

Total Funds Requested: \$169,190  
Parish CIAP Funds: \$169,190  
State CIAP Funds: \$0  
Infrastructure: \$0

Selection Criteria and Justification: 1 A) activities which support and are consistent with the Coastal Zone Management Act including National Estuarine Research Reserve programs, the National Marine Sanctuaries Act, the Magnuson B Stevens Fishery Conservation and Management Act, or the National Estuaries program;  
B) conservation, restoration, enhancement or protection of coastal or marine habitats including wetlands, estuaries, coastal barrier islands, coastal fishery resources and coral reefs, including projects to remove abandoned vessels or marine debris that may adversely affect coastal habitats;  
2. projects and activities for the conservation, protection or restoration of wetlands

Project Description: Water Control Structure and Engineering -This project is located in the Mermentau River Basin just northwest of the State Highway 82 Mermentau River Bridge, which connects the Grand Chenier Community to the Oak Grove Community in Cameron Parish, Louisiana. This project is located at and off an existing borrow canal, east from the terminus of Kings Bayou, at the water control structures' upstream end. At and off the terminus of an existing canal, at the water control structure's downstream end; north of Parish Road No. 217 or Mermentau River Road; in Section 5, Township 15 South, Range 6 West. Not only will this project protect and restore 4,200 acres of marsh; it will serve as a saltwater intrusion barrier and a relief valve in times of flooding. Currently, there is ponding and stagnation in these wetlands.

During times of excessive high tides, saltwater comes into this fresh marsh. During times of flooding, which can occur frequently, since the Mermentau River Basin drains many water tributaries, the structure will help flush water out of this system. There are two adjacent landowners to this proposed structure. They have participated in our Cameron

Parish Coastal Zone Management Committee meetings and are in favor of the structure. The Cameron Parish Police Jury agrees to maintain and monitor this project. Plans are to install a water level staff gauge, set at N.G.V.D., in the Little Chenier Canal so water levels can be read from State Highway 1143. The Cameron Parish Police Jury shall not operate the structure to discharge water unless water levels at the Little Chenier Canal water level staff gauge exceed 1.0' N.G.V.D. Weekly records of water levels at the Little Chenier Canal staff gauge and structure gate manipulation reports shall be maintained and made available to the Coastal Management Division upon request. The Cameron Parish Police Jury assures implementation of this project within eight months of contract signing.

This project has already been permitted with state and federal agencies. This project has been included in the Mermentau River Basin Study and the Coast 2050 Plan.

Is the project cost shared? No

Total Project Cost: \$169,190

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### 32) Lincoln Beach Sand Beach Restoration

Submitted By: City of New Orleans

Contact Name: Linda Calvert

Phone Number: 504-565-8115

Total Funds Requested: \$616,000

Parish CIAP Funds: \$616,000

State CIAP Funds: \$0

Infrastructure: \$0

Selection Criteria and Justification: 1(G) - protection and restoration of natural coastline protective features, including control of coastline erosion

Project Description: This project will re-establish a sand beach at Lincoln Beach on Lake Pontchartrain, which is an arm of the Gulf of Mexico, in the City of New Orleans (coterminous with Orleans Parish), Louisiana.

Water quality at Lincoln Beach is suitable for primary contact recreation throughout most days of the year. It offers the best opportunity for swimming and wading on the south shore of the Lake. Over the years the sand beach has been eroded by numerous storms. The sand beach at Lincoln Beach is a valuable community coastal resource in need of restoration.

The City of New Orleans, through a recent bond issue, and with funding assistance from the state of Louisiana is undertaking a restoration of the upland area and facilities at Lincoln Beach.

A Master Plan, which included extensive public input, in the form of public meetings and a broad-based project steering committee, was prepared to guide the process. This project was the subject of an environmental site assessment.

The sand beach restoration is the central element of the Master Plan and was the highest priority of the general public and the steering committee.

Is the project cost shared? No

Total Project Cost: \$616,000

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### 33) London Avenue Canal Stormwater Treatment Feasibility Study

Submitted By: City of New Orleans

Contact Name: Linda Calvert

Phone Number: 504-565-8115

Total Funds Requested: \$200,000

Parish CIAP Funds: \$200,000

State CIAP Funds: \$0

Infrastructure: \$0

Selection Criteria and Justification: 1 B) conservation, restoration, enhancement or protection of coastal or marine habitats including wetlands, estuaries, coastal barrier islands, coastal fishery resources and coral reefs, including projects to remove abandoned vessels or marine debris that may adversely affect coastal habitats;

C) protection, restoration and enhancement of coastal water quality consistent with the provisions of the Coastal Zone Management Act (16 U.S.C. 1451 et seq.), including the reduction or monitoring of coastal polluted runoff or other coastal contaminants; E) assessment, research, mapping and monitoring of coastal or marine resources and habitats, including, where appropriate, the establishment and monitoring of marine protected areas

Project Description: This study will evaluate treatment technologies for application within or immediately adjacent to the London Avenue Canal. Existing water quality parameters will be evaluated over a wide range of flow conditions. A pilot-scale treatment system will be designed and then implemented to develop a treatment process that may be applicable in other locations that have similar stormwater parameters. The Scope of Work for this project includes: Task 1: Concept Development Report, Task 2: Feasibility Study, Task 3: Implementation, and Task 4: Monitoring and Technology Transfer.

Is the project cost shared? No



Total Project Cost: \$200,000

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34) Lewis Street And Crochet Street, Iberia Parish

Submitted By: Iberia Parish Government

Contact Name: Will Langlinais

Phone Number: 337-365-8246

State CIAP Funds: \$0

Total Funds Requested: \$431,810

Parish CIAP Funds: \$431,810

Infrastructure: \$431,810

Selection Criteria and Justification: 6. onshore infrastructure projects and other public service needs intended to mitigate the environmental effects of Outer Continental Shelf activities.

Project Description: Lewis Street and Crochet Street, Iberia Parish - Lewis Street provides a convenient connection between U.S. HWY. 90 and the northern and central areas of the Port of Iberia, while Crochet Road provides access to the northern, central and western areas of the port. The Port of Iberia Master Plan recommends upgrading both Lewis and Crochet Street. Lewis Street is in disrepair and its reconstruction needs to be addressed immediately in order to avoid further deterioration of serviceability that could adversely impact traffic flow patterns.

As proposed for this project, Lewis Street will be reconstructed and Ernest Crochet Road will be patched and overlaid. Both roads will be improved in accordance with minimum design standards established by DOTD.

The Port of Iberia Master Plan estimates that there are approximately 4130 employees at the Port. A majority are employed by industries directly related to Outer Continental Shelf oil and gas activities. Well maintained roadway infrastructure is vital to enhance the safety of employees, visitors and delivery vehicles traveling to locations within the Port.

This project is consistent with the Port of Iberia Master Plan. It identifies primary access corridors into the Port as Lewis Street, Curtis Lane, Port Road (now named Crochet Road), and Sterling Road.

This project has the support of the Port of Iberia Board of Commissioners; Oil Barges, Inc.; Universal Fabricators, LLC; UNIFAB International, Inc.; the Port Quick Shop, Hose Specialty & Supply Co., Inc.; and the Iberia Parish Council. The project was endorsed by the Parish Council at a public meeting on May 9, 2001.

Is the project cost shared? Yes

Total Project Cost: \$474,600

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35) North Canal Freshwater Diversion Pump Station

Submitted By: Jefferson Parish  
Contact Name: Marnie Winter  
Phone Number: 504-736-6440

Total Funds Requested: \$350,000  
Parish CIAP Funds: \$350,000  
State CIAP Funds: \$0  
Infrastructure: \$0

Selection Criteria and Justification: 2 - projects and activities for the conservation, protection or restoration of wetlands

Project Description: The primary objectives of this project are to provide freshwater and nutrients to replenish vegetated wetlands and to improve water quality in the Barataria Basin by filtering storm water through vegetated wetlands and eliminating direct discharge of storm water into Bayou Barataria.

Drainage flow to the existing Fleming Canal pumping station would be diverted to a new pumping station currently being designed along North Canal. This new pumping station will intercept a portion of flows from a drainage area of approximately 158 acres. These intercepted flows will be diverted from Bayou Barataria into vegetated wetlands east of the Town of Jean Lafitte, LA.

Is the project cost shared? No

Total Project Cost: \$350,000

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36) Parc Des Familles Conservation Area, Education Area

Submitted By: Jefferson Parish  
Contact Name: Marnie Winter  
Phone Number: 504-736-6440

Total Funds Requested: \$250,000  
Parish CIAP Funds: \$250,000  
State CIAP Funds: \$0  
Infrastructure: \$0

Selection Criteria and Justification: 1 (B) - conservation, restoration, enhancement or protection of coastal or marine habitats including wetlands, estuaries, coastal barrier islands, coastal fishery resources and coral reefs, including projects to remove abandoned vessels or marine debris that may adversely affect coastal habitats; and  
J) - projects that promote research, education, training and advisory services in fields related to coastal living marine resource use and management

Project Description: The objective of this proposed project is the conservation of natural wetland habitat within a large recreational area that will afford opportunities for park visitors to learn about living coastal resource use and management while enjoying passive outdoor recreation in a natural setting.

The site is a 614 acre tract of mixed wetland (bottomland hardwoods, fresh cypress swamp, and fresh marsh) accessible via Highway 3134 in Jefferson Parish, north of Lafitte. The property is located within the West Bank hurricane protection levee, and is under long-term forced drainage by the Estelle Pump Station. A large area within the 614 acre site would be set aside as a conservation area to preserve and enhance wetlands that are under severe stress due to subsidence and hydrological modifications. A nature trail for recreational use would be maintained and a wetland education program developed in cooperation with the Audubon Institute.

At the request of the Jefferson Parish Council, a land use and planning study of the Barataria Corridor of Jefferson Parish was conducted in 1997 by the University of New Orleans (UNO) College of Urban and Public Affairs. The UNO study found that "the need for recreational space in the study area remains acute." To address this need Jefferson Parish purchased a 614 acre tract of undeveloped land for the creation of a community park named "Parc des Familles".

The UNO study involved several public meetings with all stakeholders, and was commissioned, in part, to identify public infrastructure requirements associated with the rapid population growth experienced during the boom years of the oil and gas industry.

Is the project cost shared? No

Total Project Cost: \$250,000

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### 37) Shore Restoration And Stabilization - La Trace Rd @ The Amite River

Submitted By: Livingston Parish Council  
Contact Name: Robert Badeaux  
Phone Number: 225-927-9321

Total Funds Requested: \$299,090  
Parish CIAP Funds: \$299,090  
State CIAP Funds: \$0

Infrastructure: \$0

Selection Criteria and Justification: 1 C) protection, restoration and enhancement of coastal water quality consistent with the provisions of the Coastal Zone Management Act (16 U.S.C. 1451 et seq.), including the reduction or monitoring of coastal polluted runoff or other coastal contaminants; and 2. projects and activities for the conservation, protection or restoration of wetlands

Project Description: Shore Restoration and Stabilization LA Trace/ Amite River - The project proposes to restore and stabilize the shoreline on the Amite River, adjacent to Louisiana Trace Road, approximately 1.7 miles from LA HWY 16 in Livingston Parish. Presently the shoreline is littered with white goods and other discarded debris. Prior to commencement of the proposed project the parish will remove miscellaneous debris and accumulated items from the shoreline areas where restoration will occur.

The project area consists of approximately 2,250 linear feet adjacent to the Amite River and Louisiana Trace Road. Areas targeted on the immediate shoreline for restoration and stabilization range from 7' to 12' in depth, 10' to 15' in width and approximately 50' in length. The shoreline will be accessed with equipment stationed on a barge that will be on the Amite River. Working from a barge on the river will eliminate destroying vegetation in order to access shoreline.

A contractor will use dragline equipment on a barge to dredge fill material from the Amite River and deposit the fill in the areas of the shoreline to be restored. Rip Rap will be placed on the bank to stabilize restored areas of the shoreline. Following rip rap placement, approximately 4 inches of dredged earthen material will be placed on top of the rip rap. Seeded filled geotextile fabric mats approximately 15' wide will be placed over the rip rap.

This project was developed to fulfill specific Improved Restoration Technology identified in the "Coast 2050: Toward a Sustainable Coastal Louisiana (1998) by Louisiana Coastal Wetlands Conservation and Restoration Task Force and the Wetlands Conservation and Restoration Authority.

The need for shoreline restoration was first identified during telephone calls and conversations with concerned citizens to the Parish Council members and the Parish President regarding complaints and concerns of erosion activities located adjacent to Louisiana Trace Road. A good shoreline restoration and erosion control plan will prevent further damage of the Amite River.

Is the project cost shared? No

Total Project Cost: \$299,090

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38) Shallow Water Terraces/ Sediment Fencing & Vegetative Plantings

Submitted By: Plaquemines Parish Government  
Contact Name: Victoria Caridas  
Phone Number: 504-392-6690

Total Funds Requested: \$891,866  
Parish CIAP Funds: \$879,535  
State CIAP Funds: \$0  
Infrastructure: \$0

Selection Criteria and Justification: 1 (B) conservation, restoration, enhancement or protection of coastal or marine habitats including wetlands, estuaries, coastal barrier islands, coastal fishery resources and coral reefs, including projects to remove abandoned vessels or marine debris that may adversely affect coastal habitats

Project Description: Shallow Water Terraces/ Sediment Fencing & Vegetative Plantings  
- The project is located on the east bank of the Mississippi River in Plaquemines Parish. The project site is to the south east of Alexis Bay along the Baptiste Collette Bayou, Township 20S, Range 18E, Section 49, 50, 53 and 54. This project is designed to restore and enhance eroded marsh located on parish owned property.

The once thriving marsh between the shoreline of Alexis Bay and Baptiste Collette Bayou has eroded significantly in the last 30 years. The natural shoreline of the bay is completely eroded and the majority of marsh has been replaced with open water approximately 1 1/2 to 2 feet in depth. This project is designed to capture the sediment from Baptiste Collette Bayou and restore vegetation to the area. This will be accomplished through the construction of approximately 30,000 linear feet of shallow water terraces/sediment fences topped with vegetative plantings.

#### Project Objectives

1. Increase the vegetated marsh through the construction of terraces/sediment fencing and vegetative plantings.
2. Increase the amount of submerged aquatic vegetation through the use of terraces/sediment fencing.
3. Increase the amount of sediment accumulation through the use of terraces/sediment fencing.

This project was selected from the three potential projects presented to the Plaquemines Parish Coastal Zone Advisory Committee. This project was chosen because the activity would take place on parish owned property, which would allow for a greater public benefit from the restoration and enhancement of the marsh. This plan has been coordinated with other restoration projects in the area. For example, Benny's Bay across Baptiste Collette Bayou is the site of a proposed diversion authorized by CWPPRA.

Is the project cost shared? No

Total Project Cost: \$891,866

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39) Bank Stabilization Along the Northern Bank of Reggio Canal

Submitted By: St. Bernard Parish  
Contact Name: Michael D. Hunnicutt  
Phone Number: 504-278-4308

Total Funds Requested: \$240,000  
Parish CIAP Funds: \$240,000  
State CIAP Funds: \$0  
Infrastructure: \$240,000

Selection Criteria and Justification: 2. projects and activities for the conservation, protection or restoration of wetlands  
6. onshore infrastructure projects and other public service needs intended to mitigate the environmental effects of Outer Continental Shelf activities.

Project Description: A sheet piling wall approximately 700 linear feet will be constructed along the Reggio Canal to protect the bank of the canal and a public roadway from erosion caused by boat traffic and tidal erosion.

Is the project cost shared? No

Total Project Cost: \$240,000

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40) Wetland Creation Along Paris Road

Submitted By: St. Bernard Parish  
Contact Name: Michael D. Hunnicutt  
Phone Number: 504-278-4308

Total Funds Requested: \$179,898  
Parish CIAP Funds: \$179,898  
State CIAP Funds: \$0  
Infrastructure: \$0

Selection Criteria and Justification: 2. projects and activities for the conservation, protection or restoration of wetlands

Project Description : Creation of several small islands on the west side of Paris Road. Paris Road is the main traffic artery into and out of St. Bernard Parish. The islands will create habitat for wildlife and will be aesthetically pleasing to passing motorists.

The project will feature plants to showcase wetlands of Southeast Louisiana.

Is the project cost shared? No

Total Project Cost: \$179,898

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#### 41) Wetland Creation At Nunez College At The Arts, Sciences And Technology Building

Submitted By: St. Bernard Parish

Contact Name: Michael D. Hunnicutt

Phone Number: 504-278-4308

Total Funds Requested: \$70,000

Parish CIAP Funds: \$70,000

State CIAP Funds: \$0

Infrastructure: \$0

Selection Criteria and Justification: 2. projects and activities for the conservation, protection or restoration of wetlands

Project Description: Creation of a freshwater wetland at the Nunez College Arts, Sciences and Technology Building. The wetland will be an educational tool for Nunez College and the local community.

The project will feature various plants to showcase wetlands of Southeast Louisiana. Suggested features include boardwalks and piers so students may access the project site for study and appreciation of this habitat.

Is the project cost shared? No

Total Project Cost: \$70,000

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#### 42) Wetlands Monitoring Equipment

Submitted By: St. Bernard Parish

Contact Name: Michael D. Hunnicutt

Phone Number: 504-278-4308

Total Funds Requested: \$20,000

Parish CIAP Funds: \$20,000

State CIAP Funds: \$0

Infrastructure: \$0

Selection Criteria and Justification: 1 (E) assessment, research, mapping and monitoring of coastal or marine resources and habitats, including, where appropriate, the establishment and monitoring of marine protected areas

Project Description: This project seeks to enable St. Bernard Parish to establish continued remote sensing capabilities which can be used to measure and monitor hydrology levels of salinity, pH, erosion factors, as well as sediment concentration.

Funds are made available through NASA to pilot and establish initial study projects of remote sensing initiatives in wetland habitats. Continued funding would enable St. Bernard Parish to maintain a permanent record of hydrology data as it relates to factors crucial to the survival of marsh and healthy wetlands habitats, such as salinity and pH levels, as well as amount of erosion.

Is the project cost shared? No

Total Project Cost: \$20,000

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#### 43) Woodland Canal

Submitted By: St. John the Baptist Parish

Contact Name: Chris A. Guidry

Phone Number: 985-652-9569

Total Funds Requested: \$281,747

Parish CIAP Funds: \$281,747

State CIAP Funds: \$0

Infrastructure: \$281,747

Selection Criteria and Justification: 1 (B) conservation, restoration, enhancement or protection of coastal or marine habitats including wetlands, estuaries, coastal barrier islands, coastal fishery resources and coral reefs, including projects to remove abandoned vessels or marine debris that may adversely affect coastal habitats

6. onshore infrastructure projects and other public service needs intended to mitigate the environmental effects of Outer Continental Shelf activities.

Project Description: The Woodland Canal Project will restore flow and stabilize banks. The project covers approximately 7,660 linear feet (1.45 miles) and would involve the placement of 383 sub mar concrete mats. The Woodland Canal runs along the southeast side of US Highway 51 as it leaves LaPlace and intersects first with I-10 and then I-55. The canal flows northeast and drains the northeast section of LaPlace emptying into the freshwater marshes adjacent to Lake Pontchartrain. this project proposes to decrease soil erosion by stabilizing the Canal banks. The reduction in erosion will reduce turbidity and the sediment load in the Canal and consequently improve the quality of water flowing into the marsh. The Canal right-of-way is owned by St, John the Baptist Parish and



therefore, all the project funds will be used to reduce erosion and improve water quality.

Is the project cost shared? No

Total Project Cost: \$281,747

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44) Stephenville & Belle River Area Sanitary Sewer Facilities Improvements  
(Substituted for Four Mile Bayou Road)

Submitted By: St. Martin Parish

Contact Name: Scott Angelle

Phone Number: 337-394-2200

Total Funds Requested: \$407,440

Parish CIAP Funds: \$407,440

State CIAP Funds: \$0

Infrastructure: \$407,440

Selection Criteria and Justification: 6 - onshore infrastructure projects and other public service needs intended to mitigate the environmental effects of Outer Continental Shelf activities.

1(C) protection, restoration and enhancement of coastal water quality consistent with the provisions of the Coastal Zone Management Act (16 U.S.C. 1451 et seq.), including the reduction or monitoring of coastal polluted runoff or other coastal contaminants

Project Description:

The purpose of the project is to improve the quality of the coastal waters in Lower St. Martin Parish by upgrading the only two (2) publicly owned wastewater treatment facilities and the sewer collection system which serve the Stephenville and Belle River communities in this area of the Parish.

The Stephenville wastewater treatment plant has recently been expanded and a second 240,000 gallon per day capacity package type plant was constructed parallel to the previously existing 150,000 gallon per day capacity package type plant. The expanded facility was designed to handle excess wet weather flow and the additional average flow required for the population of this area. Funds for the expansion project were limited. Therefore, the new unit was constructed, but no improvements were performed to the original plant. Improvements to the plant are needed to improve the quality of the discharge from the plant.

The proposed improvements at this wastewater treatment plant would include removing and replacing mechanical equipment and structural elements at the original wastewater treatment package plant, replacing the aeration blowers, constructing a bulkhead around the sludge drying beds (to cease the erosion and prevent further damage to this unit), and performing some structural repairs to the beds.

The Belle River area is serviced by one 60,000 gallon per day capacity package type wastewater treatment plant. This plant has reached its design life and certain mechanical and structural equipment need replacement. Due to the fact that the wastewater treatment facility servicing this area has only one unit, this unit cannot be shut down for repairs (which would cause untreated wastewater to enter the coastal waters), which makes the requirement of bringing this plant back to full operation imperative. Complete failure of the plant would cause raw wastewater to be discharged to nearby streams and bayous which would detrimentally impact the environment and the residents of this area.

Is the project cost shared? No

Total Project Cost: \$407,440

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#### 45) Modifications To St. Mary Parish Water Plant In Amelia, La

Submitted By: St. Mary Parish

Contact Name: Carol J. Vining

Phone Number: 337-828-4100

Total Funds Requested: \$318,000

Parish CIAP Funds: \$318,000

State CIAP Funds: \$0

Infrastructure: \$318,000

Selection Criteria and Justification: 6 - onshore infrastructure projects and other public service needs intended to mitigate the environmental effects of Outer Continental Shelf activities

Project Description: Modifications to St. Mary Parish Water Plant in Amelia, LA - An existing water intake pump station, which presently draws from an existing drainage ditch that runs perpendicular to Lake Palourde Road, would be relocated to the intersection of the ditch with Bayou Boeuf. The existing pump station would be abandoned, and a new concrete pump intake sump would be constructed at the bank of Bayou Boeuf.

The new intake pumps would then draw water directly from the Bayou Boeuf Channel thru a proposed steel bar trash screen assembly. This proposed intake pumps would be driven by 50 HP, 460 VAC, 1200 RPM, TEFC electric motors, which will provide a reliable power supply for the water plant's intake structure. Additional lengths of pump discharge pipes will have to be constructed in order to tie-in to the plant's existing intake manifold piping. An existing aggregate road will also be refurbished and up-graded to provide access for maintenance of the new water intake pumps.

Approximately 33% of the parish's work force is employed by oil and gas related industries. Supply vessels that serve these industries obtain fresh potable water from area docks. The objective of this project is to enhance the existing municipal water supply by providing the water plant with a cleaner source of raw water, directly from Bayou Boeuf.

Is the project cost shared? No

Total Project Cost: \$318,000

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#### 46) Improvements At Burns Point Recreation Area

Submitted By: St. Mary Parish  
Contact Name: Carol J. Vining  
Phone Number: 337-828-4100

Total Funds Requested: \$300,000  
Parish CIAP Funds: \$184,286  
State CIAP Funds: \$0  
Infrastructure: \$0

Selection Criteria and Justification: 1 (B) - conservation, restoration, enhancement or protection of coastal or marine habitats including wetlands, estuaries, coastal barrier islands, coastal fishery resources and coral reefs, including projects to remove abandoned vessels or marine debris that may adversely affect coastal habitats;  
(I) assistance to local communities to assess, plan for and manage the impacts of growth and development on coastal or marine habitats and natural resources, including coastal community fishery assistance programs that encourage participation in sustainable fisheries

Project Description: Improvements at Burns Point Recreation Area - This project will be coincide with the Burns Point Shoreline Protection / Dedicated Dredging Program presently being federally-sponsored in this area by NRCS to construct shoreline protection structures and provide dredged material placement from East Cote Blanche Bay between the protection structures and the present shoreline. These efforts will prevent further shoreline erosion while protecting the Bayou Sale Ridge and interior fresh marshes which act as feeding and resting areas for migratory and neo-tropical birds, along with black bear habitat. The proposed local government's project would further enhance the public's access to these habitats by providing needed recreational infrastructure, in a manner that would be compatible to the federal sponsor's goals and objectives.

The objective of this project is to enhance the public's recreational access to the coastal environment, with implementation of needed maintenance of the wharfs and bulkheads at the recreational area's existing boat launch, and renovations to the adjacent parking area, including the construction of a new fishing dock and walkway with a covered pavilion

and gazebo structure to allow for more comfortable utilization of the area's existing recreational features.

Is the project cost shared? No

Total Project Cost: \$300,000

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#### 47) Developing A Comprehensive Environmental Management Plan For St. Tammany Parish

Submitted By: St. Tammany Parish  
Contact Name: William Oiler  
Phone Number: 985-898-2445

Total Funds Requested: \$250,000  
Parish CIAP Funds: \$250,000  
State CIAP Funds: \$0  
Infrastructure: \$0

Selection Criteria and Justification: 1 - E) assessment, research, mapping and monitoring of coastal or marine resources and habitats, including, where appropriate, the establishment and monitoring of marine protected areas;

I) assistance to local communities to assess, plan for and manage the impacts of growth and development on coastal or marine habitats and natural resources, including coastal community fishery assistance programs that encourage participation in sustainable fisheries; and

J) projects that promote research, education, training and advisory services in fields related to coastal living marine resource use and management

Project Description: Detailed planning of the ten elements in the New Directions 2025 - St. Tammany Parish Comprehensive Plan is scheduled to be conducted over a five year period, with two elements being funded each year. Currently the Land Use and Transportation elements are underway, but there is a need for the Critical and Sensitive Areas element work plan to be produced concurrently with the aforementioned elements. Since the Parish government can only provide a restricted amount of funding to the plan each fiscal year it is seeking additional funding through the Coastal Impact Assistance Program for the purpose of conducting the Critical and Sensitive Areas element concurrently with the Land Use and Transportation elements.

The goal of the Critical and Sensitive Areas plan element is to identify the land, water and air-related critical and sensitive areas and resources in the parish and to develop means for protecting them, including, but not limited to, habitat areas, wetlands, floodplains, watersheds, aquifer recharge areas, agricultural lands, tree resources (urban forest and timber), cultural and historic resources, wellhead protection areas, and other environmental resources. The objectives of the Critical and Sensitive Areas element are

to: (a) identify the characteristics, location and means of protecting critical and sensitive areas; (b) assess the relative importance of these areas in terms of size, quality, and/or resource significance; (c) establish the thresholds at which the identified areas are adversely impacted by human activities; (d) identify conflicts between other elements of the comprehensive plan and critical and sensitive areas; and, (e) provide a factual basis on which to initiate protection of areas of critical concern.

In recognition of the need for planned and sustainable growth and increasing public concern regarding the negative impacts of unplanned growth on the environment, economy, and quality of life, the St. Tammany Parish Government initiated the development of New Directions 2025 - St. Tammany Parish Comprehensive Plan. Based on the American Planning Association's Growing Smart model, New Directions 2025 consists of ten plan elements: Vision, Land Use, Transportation, Critical/Sensitive Areas, Community Facilities, Housing, Economic Development, Natural Hazards, Essential Community Design and Implementation. The New Directions 2025 Vision Element was completed in 1999.

The citizens and leaders of St. Tammany Parish have recognized that the Land Use and Transportation elements of the plan must be informed by a thorough inventory of environmentally sensitive areas. In addition, the citizens have made it clear that the parish can no longer wait to address increased nonpoint source pollution in parish waterways and the loss of green spaces, agricultural lands, floodplain areas, functional wetlands, and riparian zones resulting from the parish's rapid and unplanned growth. To this end, citizens, through the New Directions 2025 visioning process, have worked with the Parish staff to develop an ambitious, yet achievable, plan of action for the Critical and Sensitive Areas element.

Is the project cost shared? No

Total Project Cost: \$250,000

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#### 48) Feasibility of Implementing Various Related Best Management Practices for Stormwater and Non-point Source Pollution

Submitted By: St. Tammany Parish  
Contact Name: William Oiler  
Phone Number: 985-898-2445

Total Funds Requested: \$75,000  
Parish CIAP Funds: \$75,000  
State CIAP Funds: \$0  
Infrastructure: \$0

Selection Criteria and Justification: 1 -C) protection, restoration and enhancement of coastal water quality consistent with the provisions of the Coastal Zone Management Act

(16 U.S.C. 1451 et seq.), including the reduction or monitoring of coastal polluted runoff or other coastal contaminants

I) assistance to local communities to assess, plan for and manage the impacts of growth and development on coastal or marine habitats and natural resources, including coastal community fishery assistance programs that encourage participation in sustainable fisheries

Project Description: The parish drainage system is currently maintained using traditional ditch clearing and cleaning methods like regular bucket-type excavation. Ditches and adjacent rights-of-way are cleared of vegetation and cleaned to a standard design cross-section. Spoil is removed by truck or placed in piles adjacent to the ditch pathway. Despite more efficient drainage results in the short term, much of this activity can be counterproductive when viewed in more comprehensive regional terms. This traditional ditch maintenance activity results in increased turbidity and faster runoff rates allowing Nonpoint source pollution to enter our streams even faster and with less incidental treatment. In addition, better drainage upstream is achieved without respect to drainage impacts downstream.

The implementation of various established Best Management Practices (BMP's) should allow us to maintain our infrastructure to meet more realistic design standards while still maintaining some capacity for the treatment or assimilation of non-point source pollution. This project will consist of several phases with specific deliverables expected for each one. The intention is to use this as a demonstration project to improve the water quality of storm water runoff as it enters natural stream systems from parish maintained infrastructure. It will seasonally assess the water quality of a limited watershed at specific locations, identify and document parish maintenance activities for that area, and recommend specific Best Management Practices for maintenance that beneficially impact stream water quality to a measurable degree at the sample locations. It will then document the degree to which feasible BMP's improve water quality at the watershed outfall. Our proposal identifies a specific watershed with an outfall just upstream from Bogue Falaya Park. The area drained loosely includes areas north and south of Highway 36 just east of Covington and Claiborne Hill. Land uses in this watershed include mixed density commercial, residential, and some industrial activities. Sources of NPS pollution are varied but include individual sewer treatment systems, road surface input, pesticides, herbicides, nutrients from fertilizers, and other traditional sources. All surface runoff is conveyed through natural topography, open road-side ditches, lateral ditches, some subsurface infrastructure, and finally a natural ravine into the Bogue Falaya River. All but a small portion of the drainage infrastructure is maintained by St. Tammany Parish crews.

St. Tammany Parish has participated in the past in programs designed to address non-point pollution. Our participation in DEQ's Western St. Tammany Non-Point Source Coalition demonstrated a willingness to look at change where it is feasible. This project proposal is a logical follow-up step. We intend to expand upon the findings of that group by implementing this demonstration project in order to determine whether certain BMP's can, in fact, manifest a measurable decrease in NPS levels downstream.

The Louisiana Department of Health and Hospitals has been involved in Water Quality Sampling within the project area and this information will be utilized to help establish the baseline data intended to set a pre-implementation standard.

In addition, the contracted firm will be expected to draw from information contained within the "Findings of the St. Tammany Non-point Source Coalition" document. This document was produced through the efforts of LDEQ and their agents in cooperation with interested members of the public in order to begin the process of addressing non-point source pollution in St. Tammany Parish.

Is the project cost shared? No

Total Project Cost: \$75,000

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#### 49) Feasibility Assessment for the Development of St. Tammany Parish Land Use Conservation Tools and Techniques

Submitted By: St. Tammany Parish  
Contact Name: William Oiler  
Phone Number: 985-898-2445

Total Funds Requested: \$70,000  
Parish CIAP Funds: \$70,000  
State CIAP Funds: \$0  
Infrastructure: \$0

Selection Criteria and Justification: 1 B) conservation, restoration, enhancement or protection of coastal or marine habitats including wetlands, estuaries, coastal barrier islands, coastal fishery resources and coral reefs, including projects to remove abandoned vessels or marine debris that may adversely affect coastal habitats; C) protection, restoration and enhancement of coastal water quality consistent with the provisions of the Coastal Zone Management Act (16 U.S.C. 1451 et seq.), including the reduction or monitoring of coastal polluted runoff or other coastal contaminants; E) assessment, research, mapping and monitoring of coastal or marine resources and habitats, including, where appropriate, the establishment and monitoring of marine protected areas; and I) assistance to local communities to assess, plan for and manage the impacts of growth and development on coastal or marine habitats and natural resources, including coastal community fishery assistance programs that encourage participation in sustainable fisheries

Project Description: Feasibility Assessment for the Development of St. Tammany Parish Land Use Conservation Tools and Techniques - Contract to an objective firm to investigate the feasibility of a variety of mechanisms that can be used to accomplish the preservation or minimized the impact to critical and sensitive areas, such as natural

stream systems, flood plains, riparian and upland wetlands, agricultural and forest lands. Specific conservation techniques which should be reviewed are conservation easements; transfer of development rights; open space zoning (clustering); agricultural zoning; land acquisition and land trusts.

This detailed review would result in the recommendation to the administration of specific conservation techniques which may be incorporated into the land development ordinances, which may provide increased flexibility over typical subdivision designs or other land use siting applications by incorporating natural features within the development and to allow the mechanism to assure the future protection of those identified features.

As part of the Parish's comprehensive planning effort, known as New Directions 2025, the Parish, citizens and developers are in unison over the need for the development of land conservation tools and techniques to preserve areas such as natural stream systems, flood plains, riparian and upland wetlands, mature and developing forests and agricultural land, etc. This project will allow the Parish to initiate a detailed feasibility assessment of the various land conservation tools and techniques which may be incorporated into our local land use ordinances.

Is the project cost shared? No

Total Project Cost: \$70,000

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#### 50) Rehabilitate Kin Tally Pumping Station

Submitted By: Tangipahoa Parish

Contact Name: William Howe

Phone Number: 985-748-3211

Total Funds Requested: \$25,000

Parish CIAP Funds: \$25,000

State CIAP Funds: \$0

Infrastructure: \$25,000

Selection Criteria and Justification: 6. onshore infrastructure projects and other public service needs intended to mitigate the environmental effects of Outer Continental Shelf activities.

1 (C) protection, restoration and enhancement of coastal water quality consistent with the provisions of the Coastal Zone Management Act (16 U.S.C. 1451 et seq.), including the reduction or monitoring of coastal polluted runoff or other coastal contaminants

Project Description: Rehabilitate Kin Tally Pumping Station - Kin Tally is a densely populated unincorporated area of Tangipahoa Parish adjacent to the Yellow Water River. A portion of the area has been sewered. However, the main lift station feeding the



sewerage treatment facility is operating on one temporary pump. This is constantly breaking down resulting in untreated sewerage discharges to the Yellow Water River. The existing sewerage lift station will be renovated.

The Parish proposes to implement corrective projects through the use of CIAP funds and other means for the health and welfare of parish citizens - of which it is estimated that 1,669 are employed in the offshore oil and gas industry and related onshore support activities.

In 1997, the Pontchartrain Basin Foundation contracted with the Univ. of New Orleans Urban Waste Management & Research Foundation to develop a Wastewater Management Plan for Tangipahoa Parish. The study was done in part because of the deteriorating surface water quality, especially in the southern part of the Parish, which empties in the Lake Pontchartrain Basin and ultimately into the coastal estuaries around the rigolets and Lake Borgne areas. The UNO study revealed high fecal pollution in parish water bodies. It identified more than 6,700 septic tanks in operation in southern Tangipahoa Parish. There was significant evidence of improperly operated mechanical units. Numerous rehabilitation needs were identified at existing treatment plants, ponds and pumping stations.

Is the project cost shared? No

Total Project Cost: \$25,000

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#### 51) Rehabilitate Creekwood Sewer Treatment Ponds

Submitted By: Tangipahoa Parish

Contact Name: William Howe

Phone Number: 985-748-3211

Total Funds Requested: \$80,000

Parish CIAP Funds: \$80,000

State CIAP Funds: \$0

Infrastructure: \$80,000

Selection Criteria and Justification: 6. onshore infrastructure projects and other public service needs intended to mitigate the environmental effects of Outer Continental Shelf activities.

1 (C) protection, restoration and enhancement of coastal water quality consistent with the provisions of the Coastal Zone Management Act (16 U.S.C. 1451 et seq.), including the reduction or monitoring of coastal polluted runoff or other coastal contaminants

Project Description: Rehabilitate Creekwood Sewer Treatment Ponds - Creekwood is a densely populated developed area of Tangipahoa Parish adjacent to the Natalbany River. The facility needs to be brought up to correct treatment standards.

The Parish proposes to implement corrective projects through the use of CIAP funds and other means for the health and welfare of parish citizens - of which it is estimated that 1,669 are employed in the offshore oil and gas industry and related onshore support activities.

In 1997, the Pontchartrain Basin Foundation contracted with the Univ. of New Orleans Urban Waste Management & Research Foundation to develop a Wastewater Management Plan for Tangipahoa Parish. The study was done in part because of the deteriorating surface water quality, especially in the southern part of the Parish, which empties in the Lake Pontchartrain Basin and ultimately into the coastal estuaries around the rigolets and Lake Borgne areas. The UNO study revealed high fecal pollution in parish water bodies. It identified more than 6,700 septic tanks in operation in southern Tangipahoa Parish. There was significant evidence of improperly operated mechanical units. Numerous rehabilitation needs were identified at existing treatment plants, ponds and pumping stations.

Is the project cost shared? No

Total Project Cost: \$80,000

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## 52) Manchac Sewer System

Submitted By: Tangipahoa Parish  
Contact Name: William Howe  
Phone Number: 985-748-3211

Total Funds Requested: \$200,540  
Parish CIAP Funds: \$200,540  
State CIAP Funds: \$0  
Infrastructure: \$200,540

Selection Criteria and Justification: 6. onshore infrastructure projects and other public service needs intended to mitigate the environmental effects of Outer Continental Shelf activities.

1 (C) protection, restoration and enhancement of coastal water quality consistent with the provisions of the Coastal Zone Management Act (16 U.S.C. 1451 et seq.), including the reduction or monitoring of coastal polluted runoff or other coastal contaminants

Project Description: Manchac Sewer System - Construction of a community sewer system to collect the existing waste stream and a treatment facility to treat the waste. This project also includes the construction of a community water system.

Currently the Community of Manchac generates approximately 24,000 gallons per day of untreated waste - which is discharged into Pass Manchac, the waterway connecting Lake

Maurepas and Pontchartrain. This untreated waste is generated by 27 dwellings and 5 commercial establishments situated on the North Shore of Pass Manchac.

The Parish proposes to implement corrective projects through the use of CIAP funds and other means for the health and welfare of parish citizens - of which it is estimated that 1,669 are employed in the offshore oil and gas industry and related onshore support activities.

In 1997, the Pontchartrain Basin Foundation contracted with the Univ. of New Orleans Urban Waste Management & Research Foundation to develop a Wastewater Management Plan for Tangipahoa Parish. The study was done in part because of the deteriorating surface water quality, especially in the southern part of the Parish, which empties in the Lake Pontchartrain Basin and ultimately into the coastal estuaries around the rigolets and Lake Borgne areas. The UNO study revealed high fecal pollution in parish water bodies. It identified more than 6,700 septic tanks in operation in southern Tangipahoa Parish. There was significant evidence of improperly operated mechanical units. Numerous rehabilitation needs were identified at existing treatment plants, ponds and pumping stations.

Is the project cost shared? No

Total Project Cost: \$200,540

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### 53) Environmental Impact Study on Proposed 20 ft. Channel

Submitted By: Vermilion Parish Police Jury  
Contact Name: Michael J. Bertrand  
Phone Number: 337-898-4300

Total Funds Requested: \$200,000  
Parish CIAP Funds: \$200,000  
State CIAP Funds: \$0  
Infrastructure: \$0

Selection Criteria and Justification: 1 (D) - addressing watershed protection or other coastal or marine conservation needs which cross jurisdictional boundaries  
2 - projects and activities for the conservation, protection or restoration of wetlands

Project Description: There is considerable concern from Vermilion Parish officials, landowners, rice farmers and cattlemen that any deepening of a channel to the Port of Iberia, to improve Gulf of Mexico access, could introduce additional saltwater into the Vermilion Parish marshes and watershed system. As a result of this concern, the Vermilion Parish Police Jury has asked Coastal Environments, Inc, (CEI) to submit a proposal to study impacts associated with the deepening of a water access route to twenty feet (20') to the Port of Iberia. The Vermilion Parish Police Jury's goals are to

determine the economic and environmental effects of such a project, to provide an objective analysis of alternatives, to provide short and long-term plans to protect and maintain their valuable wetlands should the project be implemented and to mitigate for any damages caused by the proposed action.

To accomplish these stated goals, Coastal Environments, Inc. (CEI) proposes to do an Environmental Impact Study (EIS) of the effects of dredging and deepening of three proposed water access routes to the Port of Iberia. The study will follow National Environmental Policy Act (NEPA) standards by utilizing its established systematic, interdisciplinary approach. Included in the study will be: baseline analysis of current conditions, the environmental impact analysis of the proposed actions, any adverse environmental effects which cannot be avoided should the proposed action be implemented, alternatives to the proposed action, the relationship between local short-term uses of man's environment and the maintenance and enhancement of long-term productivity, and any irreversible and irretrievable commitments of resources which would be involved in the proposed action should it be implemented.

This study will be done for the Vermilion Parish Police Jury in conjunction with the Vermilion Parish Wetlands Advisory Committee. As a part of this study, CEI will be attending public hearings on behalf of the parish concerning this project. CEI will also meet with various parish officials, landowners, rice farmers, cattlemen and other parish interests that may be directly or indirectly affected by this proposed action. CEI believes that participation in this process by those that are most affected is essential to the outcome and success of any actions or management recommendations that result from this study.

I would also like to point out that an added benefit to the EIS will be the baseline analysis of current conditions. Not only will this be an essential part of this study, but it will also assist the Vermilion Parish Police Jury in their decision-making concerning future coastal wetland projects that could affect the parish.

Is the project cost shared? No

Total Project Cost: \$200,000

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#### 54) Cheniere Au Tigre Shoreline Protection

Submitted By: Vermilion Parish Police Jury  
Contact Name: Michael J. Bertrand  
Phone Number: 337-898-4300

Total Funds Requested: \$198,990  
Parish CIAP Funds: \$198,990  
State CIAP Funds: \$0  
Infrastructure: \$0

Selection Criteria and Justification: 1 (G) - protection and restoration of natural coastline protective features, including control of coastline erosion

Project Description: The Coastal Wetlands Planning, Protection, and Restoration Act (CWPPRA) of 28 November 1990, House Document 646, 101<sup>st</sup> Congress, provides for the use of targeted funds to create, protect, and restore marshes in coastal Louisiana. This project was approved by the CWPPRA Task Force as part of its 6th Priority Project List. Construction is to begin as soon as all applicable environmental laws and regulations are met, project plans are finalized and necessary land rights are acquired.

A complete "Project Plan/Environmental Assessment (Plan/EA) for this demonstration project will evaluate impacts attributed to segmented rock breakwaters to be installed just offshore and parallel to the shoreline east of Cheniere au Tigre within the Teche-Vermilion Basin. The project is located along the shoreline of the Gulf of Mexico in southeastern Vermilion Parish, Louisiana (See Vicinity Map).

The U.S. Department of Agriculture, Natural Resources Conservation Service (NRCS) proposes to construct a series of rock breakwaters parallel to the shoreline at a minimum distance of 1,480 feet and a maximum distance of 3,080 feet. Final project size will depend on the construction budget. These structures will be investigated for their ability to prevent shoreline erosion in this type of condition by reducing wave energies immediately aft of the alignment. It is anticipated that these structures will prove to be effective in reducing erosion rates on the shoreline. If successful, it could provide conservation measures that would be suitable for a larger scale project under similar conditions.

Project measures and their location are shown on the attached drawings. A typical structure drawing is also attached.

Each breakwater will be that of rock and have dimensions of 200 feet linear length, a 5 feet top width, and sloped sides of 3: 1. Geotextile fabric will be placed under each breakwater. There will be gaps between each breakwater consisting of a minimum of 120 feet. The breakwaters will be built 200 feet seaward of the existing beach in an alignment parallel to the shore configuration.

Current plans are to construct at least five breakwaters with a possibility to install up to ten if a favorable budget exists. If five segmented breakwaters are constructed, shoreline protection will be afforded to 1,480 feet of beach, similarly, if the maximum amount of ten segmented breakwaters are built, up to 3,080 feet of shoreline will receive wave dissipation.

Access for construction purposes will be by a dredged flotation canal, which will be large enough to allow passage of necessary equipment. The spoil banks will be staggered and all flotation canals will be backfilled upon completion of the project.

Is the project cost shared? No

Total Project Cost: \$198,990

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